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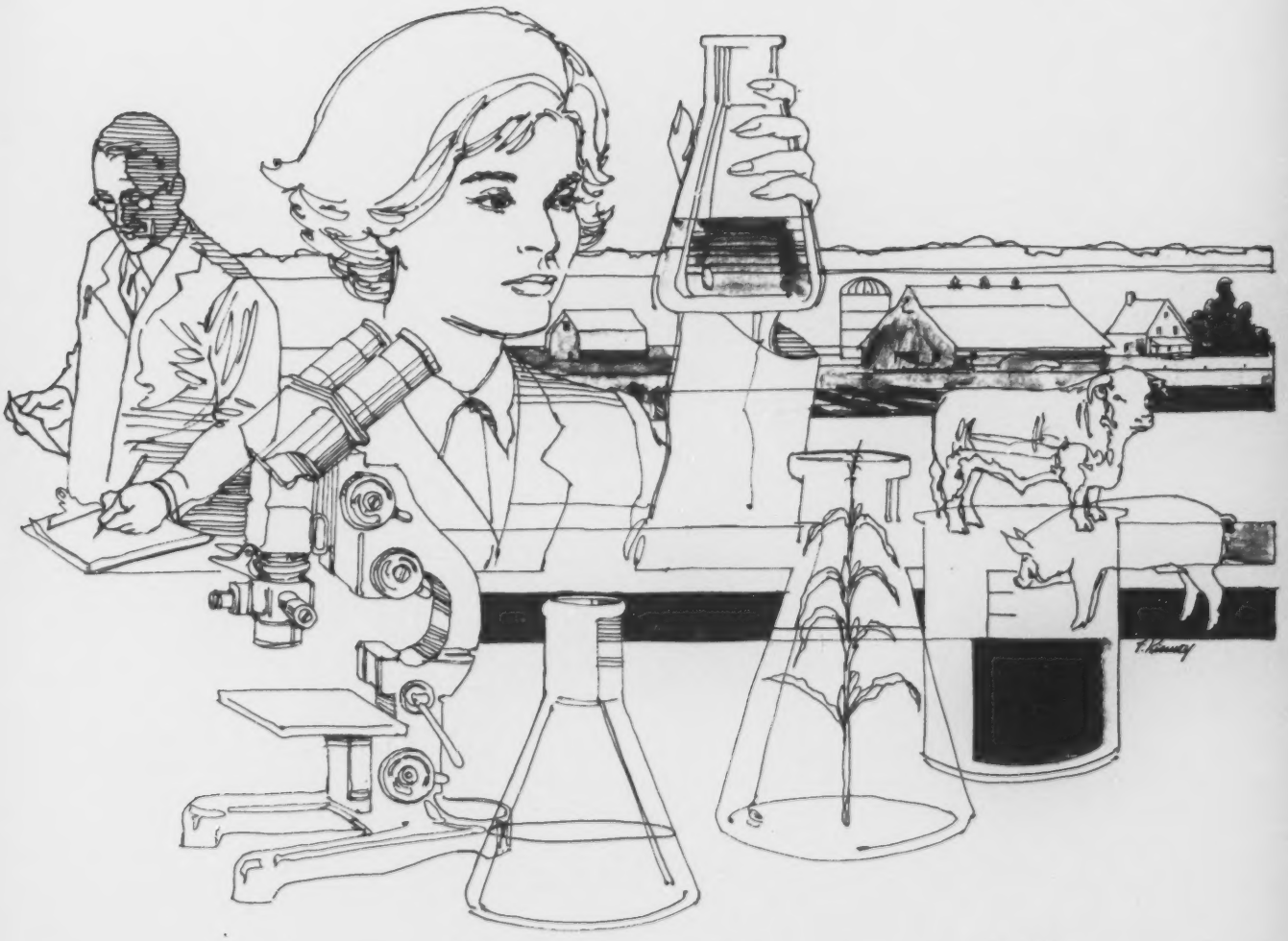
1986 STATISTICAL PROFILE OF IOWA

IOWA

IOWA DEVELOPMENT COMMISSION



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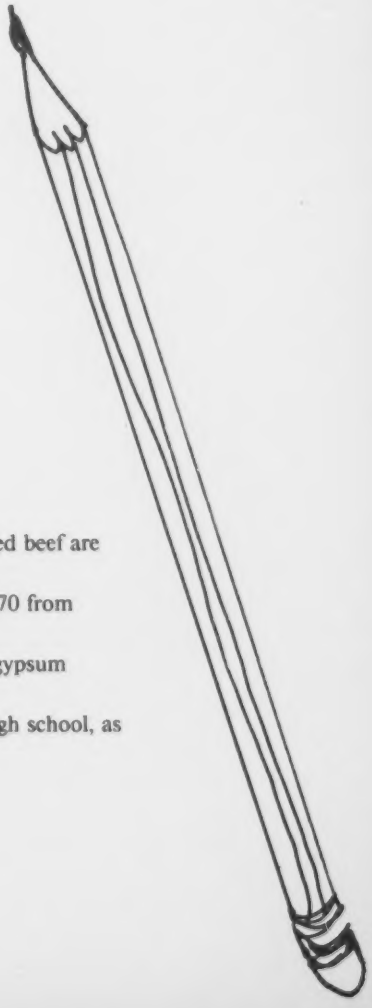
How many of these quick facts about Iowa do you know?

- Over one million Iowans are employed in nonagricultural jobs.
- Among the fifty states, Iowa ranks 27th in population and 25th in land area.
- The median age of Iowans is 30.
- Iowa has more miles of road than 40 other states, even though it's only twenty-fifth in area.
- Iowa farmers produced more than $9 billion in crops and livestock in 1984.
- The violent crime rate in Iowa is only 37% of the national average.
- 118 of Fortune magazine's "Top 500" companies have manufacturing plants in Iowa.
- Iowa has more airports than 38 other states. You cannot drive more than 30 minutes in any direction in Iowa without finding an airport suitable for a company jet.
- There are 2,962 registered aircraft in Iowa.
- The latest census determined that Iowa's population numbers 2,913,808.
- In 1984 the largest source of personal income for Iowans was manufacturing, followed by wholesale/retail trade, services and government.
- In 1984 Iowa ranked first in production of corn, second in soybeans.
- The assets of Iowa's 36 home-based life insurance companies are more than $19.4 billion.
- One out of seven jobs in Iowa's manufacturing sector are directly or indirectly related to exports.
- Over 720,000 pheasants were harvested in Iowa during 1984.
- Of Iowa's total population, 77.6% were born here.
- More than 75% of Iowa's commodities are transported via motor freight carriers.
- Iowa has over 1.5 million acres of forest land.
- 27% of America's pork and 9% of the nation's grain-fed beef are raised in Iowa.
- Total Iowa exports have increased five times since 1970 from $1.10 billion to $5.25 billion in 1983.
- Iowa ranks third in the United States in the value of gypsum produced.
- 88.0% of Iowa's 17 and 18-year-olds graduate from high school, as compared to a national average of 73.9%.



1986
STATISTICAL PROFILE OF IOWA

IOWA DEVELOPMENT COMMISSION
600 East Court Avenue
Des Moines, Iowa 50309

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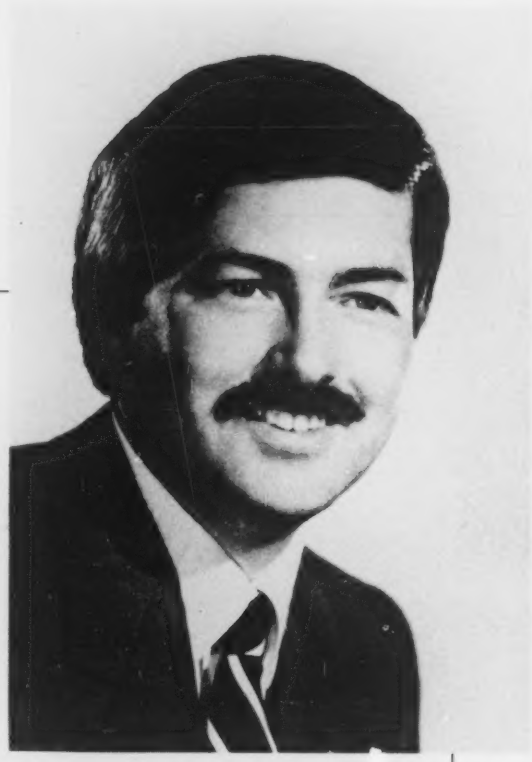


Office of the Governor

STATE CAPITOL
DES MOINES, IOWA 50319

Dear Friends:

The data charts and graphs within this Statistical Profile reveal Iowa's well educated, productive work force, quality of life, diverse business community and attractive business climate. This information makes it clear: Iowa is poised for economic development, has the top educational system, and provides a quality of life unsurpassed by any other state in the nation.

Some of the vital facts about Iowa are:

* Iowa workers are 35% more efficient than the national average. The typical Iowan employed in manufacturing produces $14,210 more value per year than his/her average counterpart throughout America.

* Iowa high school students' average on the American College Test (ACT) was the highest in the nation.

* Iowa is an ideal distribution point. Open port warehousing in Iowa saves tax dollars.

* Iowa has one of the lowest violent crime rates in the nation, ranking 43 out of the 50 states.

* Iowa's per capita state government debt is the nation's third lowest. Iowa's future is not mortgaged. Revenue can be used for business and people rather than paying interest.

I invite you to discover Iowa. Iowa is ideally positioned to meet the needs of our economy for the future.

Sincerely,

Terry E. Branstad

Terry E. Branstad
Governor

Table of Contents

Agriculture 1-13
- Agricultural highlights, Iowa 1
- Ten leading states, selected agricultural items 1
- Cash receipts from sale of farm produce, Iowa 2
- Farm real estate values, Midwest states 2
- Realized gross and net farm income, Iowa 2
- Net income per farm, Midwest states 3
- Workers, number, average size and ownership, Iowa farms 3
- Iowa farms by type of organization 3
- Average farm wage rates, Midwest states 4
- Iowa farmers by age group 4
- Farm equipment retail sales, Iowa 4
- Federal farm payments by program, Iowa 4
- Principal machines on Iowa farms 5
- Comparison of income spent on food, U.S. and selected countries 5
- Average value of farmland, Iowa counties 6
- Principal soil-association areas, Iowa 6
- Number and size of farms, Iowa counties 7-8
- Corn and soybeans harvested, Iowa counties 9-10
- Hogs, fed cattle marketed, cows and heifers, Iowa counties 11-12
- Sheep, lambs, hens and pullets, Iowa counties 13

Climate 14-15
- Iowa climate and geography 14
- Mean temperature and total precipitation 14
- Wind chill table 14
- Climate, annual averages 15

Communication Industry 16
- Communications media 16

Construction 17-18
- Construction establishments, employment and payroll, Iowa 17
- Value of new construction, Iowa 17
- Value of new residential construction, Iowa 17
- New residential construction, Iowa metropolitan areas 17
- Number and valuation of new dwelling permits, selected Iowa cities 18
- New residential construction, Midwest states 18
- Housing units, Midwest states 18

Crime 19-21
- Crime rates, Midwest states 19
- Comparison of crime rates, U.S., region and Iowa 19
- Incidence of crime, Iowa counties 20
- Total crimes, Iowa counties 20
- Crimes by type, Iowa counties 21

Economy 22-26
- Major sources of personal income, Iowa 22
- Income earned by industry source, Iowa 22
- Iowa income by industry group 23-24
- Iowa gross state product, constant dollars 25
- Iowa gross state product, current dollars 25
- U.S. inflation 26
- Short term economic forecast, Iowa 26

Education 27-33
- Public school enrollment, Iowa 27
- High school graduation rates, Midwest states 27
- Enrollment in higher learning, Iowa 28
- Area college enrollment, Iowa 28
- Iowa colleges and universities 29
- Higher education, Midwest states 29
- Freshman enrollment in higher education, Iowa 30
- Persons age 25 and over by years of school completed, Midwest states 30
- Teacher salaries in public schools, U.S. and Iowa 30
- Expenditures per pupil in public schools, Midwest states 30
- School enrollment, Iowa counties 31-32
- Iowa economic development training 33
- Public libraries, Iowa 33

Energy 34-36
- Total Iowa energy consumption 34
- Iowa's primary energy use 34
- Major components of Iowa's energy costs 34
- Energy use and costs by industry, Iowa 35
- Typical residential electric bills, selected communities 35
- Natural gas use, Iowa 36
- Electric utility industry, Iowa 36

Finance 37-38
Bank deposits and loans, Midwest states 37
Savings and Loan mortgage loans, Midwest states 37
Insured commercial banks, Iowa 38
Savings and loan associations, Iowa 38
Chattel or small loan companies, Iowa 38
Chartered credit unions, Iowa 38

Health 39-41
Number of physicians, Iowa counties 39
Hospital locations, Iowa counties 39
Causes of death, Iowa 40
Cases of notifiable diseases, Iowa 41
Hospital statistics, Midwest states 41
Licensed medical professionals, Iowa 41

Housing 42-43
Housing units, Iowa cities of 2,500 population or more 42
Median value of housing units, Midwest states 43
Housing units, Iowa counties 43

Income 44-51
Per capita personal income, Midwest states 44
U.S. map of per capita personal income 44
Total personal income, Midwest states 44
Personal income by source, Iowa 45
Per capita income trends, U.S. and Iowa 45
Trend in personal income by source, Iowa 46
Total personal and per capita income, Iowa counties 46
Personal and per capita income, Iowa metropolitan areas 47
Earnings by industrial source, Iowa metropolitan areas 47
Effective buying income, Iowa counties 48
Taxable payrolls, Midwest states 48
Taxable payrolls, Iowa counties 49-50
Employees and payroll by major industry groups, Iowa 51

Industry 52-59
Fortune 500 in Iowa 52
Value added per manufacturing worker, Midwest states 53
Industrial revenue bonds, Iowa 53
Open port warehousing 54
Industrial statistics, Iowa cities and counties 54-55
Iowa industrial statistics by standard industrial classification (SIC) code 56-58
U.S. industrial statistics, fifty states 59

Insurance 60
Insurance companies based in Iowa 60
Insurance companies doing business in Iowa 60

International 61-67
Ten leading agricultural exporting states 61
Value of agricultural exports, Iowa 61
Value of agricultural exports, U.S. 62
Value of agricultural exports, Midwest states 62
Leading export states for selected agricultural commodities 63
Iowa's top 15 agricultural export customers 63
Manufactured exports, Iowa 64
Manufactured exports, Midwest states 64
Economic contribution of manufactured Iowa exports 65
Iowa's contribution to U.S. exports 66
Foreign investment in U.S., Iowa 67
Foreign investment in manufacturing, Midwest states 67

Mining 68-69
Mineral production, Iowa 68
Coal production, Iowa 68
Summary of reserves, Iowa 68
Mineral production, Iowa counties 69
Mineral production, Midwest states 69

Population 70-77
Iowa population, urban and rural, 1840-1980 70
Population change 1970-1980, Iowa counties 70
Iowa's 100 fastest growing communities 71
Population by sex and age, Iowa 71
Population and land area, Iowa counties 72-73
Summary information of communities with population of 2,500 or more 74
Population projections, Iowa counties 75-76
Population projections by age and sex, Iowa 77

Retail-Wholesale Trade 78-81
Retail establishments, employment and payroll, Iowa 78
Retail sales by store group, Iowa counties 79-80
Wholesale establishments, employment and payroll, Iowa 81

Service Industries 82
Service establishments, employment and payroll, Iowa 82

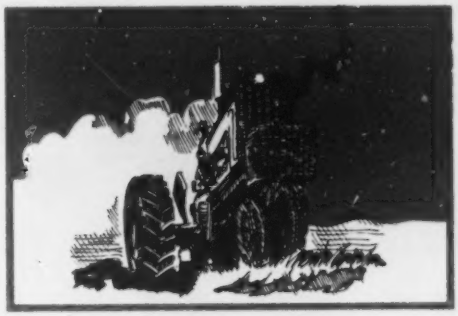
Taxes 83-93
Per capita state government debt, fifty states 83
Comparison of state expenditures, U.S. and Iowa 83
Relation of state government finances to personal income, Midwest states 84
Aggregate property tax amounts collectible, Iowa 84
Property tax valuation, Iowa 84
General fund receipts, Iowa 85
Tax revenues by type of tax, Iowa 86
Selected tax rates, Midwest states 86
Property valuation and tax levies, Iowa counties 87-93

Transportation 94-100
Distance from central Iowa to urban markets 94
Interstate highway system in Iowa 95
Iowa transportation summary 95
River, rail and air transportation, Iowa 96
Revenue freight originating and terminating on Class I railroads, Iowa 97
Transportation establishments, employment and payroll, Iowa 98
Truck transportation, Iowa 98
Public transit, Iowa 98
Navigation tonnage, Mississippi and Missouri Rivers 99
Road construction, Iowa 99
Traffic fatalities, Midwest states 99
Class I railroads, Iowa 99
Registered aircraft, Iowa 100
Motor vehicle registrations, Iowa counties 100

Travel 101-105
Travel and tourism in Iowa 101
Tourism attractions 101
Wild game statistics, Iowa 101
State park attendance 102
Map of state-owned recreation areas 102
Economic impact of travel, Iowa 103
Iowa welcome center survey results 103
Impact of travel on Iowa counties 104-105

Workforce-Employment 106-112
Right to work 106
Labor unions, Midwest states 106
Iowa workforce, employment and unemployment 107
Map of unemployment insurance used, fifty states 107
New jobs created, Iowa 108
Employment climate, Midwest states 108
Employment by industry, Iowa 109
Manufacturing hourly earnings, Iowa 110
Workforce, hours and earnings, Iowa metropolitan areas 110
Unemployment rates, Iowa counties 111
Average weekly manufacturing wages, Iowa counties 112
Average weekly construction wages, Iowa counties 112

Iowa farmers outproduce the rest



Iowa is truly the heartland of American agriculture.

Iowa farmers produced more than $9 billion in crops and livestock in 1984—27% of America's pork and 9% of the nation's grain fed beef in 1984.

Iowa ranked first in corn production (1.6 billion bushels) and second in soybean production (310 million bushels) in 1985.

Selected agricultural production of ten leading states, 1984

Item	Rank 1	2	3	4	5	6	7	8	9	10	Iowa % of U.S.
Crops — 1984											
Total acres of principal crops harvested[1]	IOWA	Ill.	Kans.	N.D.	Minn.	Texas	Neb.	S.D.	Mo.	Ind.	7
Corn for grain	IOWA	Ill.	Neb.	Ind.	Minn.	Ohio	Wis.	Mich.	S.D.	Mo.	19
Corn for silage	Wis.	N.Y.	Minn.	Pa.	IOWA	Nebr.	Mich.	Cal.	S.D.	Ohio	6
Soybeans for beans	Ill.	IOWA	Minn.	Ind.	Ohio	Mo.	Ark.	Miss.	La.	Nebr.	14
Oats	S.D.	Minn.	Wis.	N.D.	IOWA	Mich.	Pa.	Nebr.	Ohio	Ill.	10
Alfalfa hay & mixtures	Wis.	Cal.	IOWA	Minn.	S.D.	Neb.	Mich.	Idaho	Kans.	Ill.	7
All hay	Wis.	Minn.	S.D.	Cal.	IOWA	Neb.	Mo.	Kan.	Texas	N.Y.	5
Livestock on Hand January 1, 1985											
All cattle and calves	Texas	Neb.	Kans.	IOWA	Okla.	Cal.	Mo.	Wis.	S.D.	Minn.	5
Milk cows that have calved	Wis.	Cal.	N.Y.	Minn.	Pa.	Mich.	Ohio	IOWA	Texas	Ky.	3
Beef cows that have calved	Texas	Mo.	Okla.	Neb.	S.D.	Mont.	Kans.	IOWA	Fla.	Tenn.	4
All hogs — December 1984	IOWA	Ill.	[2]	[2]	Neb.	Mo.	N.C.	Ohio	[3]	[3]	26
All sheep and lambs	Texas	Cal.	Wyo.	Colo.	S.D.	N.M.	[4]	[4]	Ore.	IOWA	3
Cattle and calves on feed	Texas	Neb.	Kans.	Colo.	IOWA	Cal.	Ill.	Ariz.	Minn.	S.D.	8
Sheep and lambs on feed	Colo.	Cal.	Texas	Wyo.	Ore.	IOWA	[5]	[5]	Minn.	Neb.	5
Livestock Production in 1984											
Cattle and calf production	Texas	Neb.	Kans.	Okla.	IOWA	Cal.	S.D.	Colo.	Mo.	Minn.	5
Fed cattle marketed	Texas	Neb.	Kans.	Colo.	IOWA	Cal.	Ill.	Okla.	S.D.	Minn.	9
Hog production	IOWA	Ill.	Ind.	Minn.	Mo.	Neb.	N.C.	Ohio	Kans.	S.D.	27
Sheep production	Texas	Cal.	S.D.	Colo.	Utah	Idaho	Mont.	IOWA	Wyo.	Ore.	4
Turkey production	N.C.	Minn.	Cal.	Ark.	Mo.	Va.	Wis.	IOWA	Ind.	Pa.	4
Calf crop	Texas	Mo.	Wis.	Okla.	[6]	[6]	Cal.	IOWA	Mont.	Kans.	4
Pig crop	IOWA	Ill.	Minn.	Ind.	Mo.	Neb.	N.C.	Ohio	Kans.	S.D.	25
Lamb crop	Texas	Cal.	S.D.	Wyo.	Mont.	Utah	Colo.	Idaho	N.M.	IOWA	4
Turkeys raised	N.C.	Minn.	Cal.	Ark.	Mo.	Va.	Ind.	Wis.	Pa.	IOWA	3
Cattle slaughter[7]	Texas	Kans.	Neb.	IOWA	Colo.	Cal.	Wis.	Ill.	Minn.	Wash.	7
Hog slaughter[7]	IOWA	Ill.	Minn.	Mich.	Neb.	Ohio	Va.	S.D.	Mo.	Ind.	25
Sheep slaughter[7]	Colo.	Cal.	IOWA	Texas	S.D.	Minn.	Mich.	Ill.	Wash.	Pa.	13
Wool production	Texas	Cal.	Wyo.	Colo.	S.D.	Utah	Mont.	N.M.	IOWA	Idaho	4
Milk production	Wis.	Cal.	N.Y.	Minn.	Pa.	Mich.	Ohio	Texas	IOWA	Wash.	3
American cheese*	Wis.	Minn.	Cal.	IOWA	Idaho	S.D.	N.Y.	Mo.	Utah	N.D.	4
Total cheese*[8]	Wis.	Minn.	N.Y.	Cal.	IOWA	Pa.	Mo.	Idaho	S.D.	Ill.	5

[1]Crop acres included are: Corn, Sorghum, oats, barley, wheat, rice, rye, soybeans, flaxseed, peanuts, sunflower, cotton, all hay, dry beans, potatoes, sweet potatoes, tobacco, sugarcane and sugar beets.
[2]Tie between Indiana and Minnesota.
[3]Tie between Kansas and South Dakota.
[4]Tie between Utah and Montana.
[5]Tie between South Dakota and Kansas.
[6]Tie between Nebraska and South Dakota.
[7]Commercial slaughter based on total live weight.
[8]Excludes cottage cheese.
Source: Iowa Crop and Livestock Reporting Service.

Cash receipts from sale of farm produce (thousands)

	1970	% of Total	1975	% of Total	1980	% of Total	1983r	% of Total	1984	% of Total
All Commodities	$4,129,900	100.0	$6,494,484	100.6	$10,491,035	100.0	$9,343,805	100.0	$9,312,296	100.0
Livestock Products	2,853,411	69.1	3,906,402	60.1	5,535,245	52.8	5,140,272	55.0	5,012,623	53.8
Meat Animals	2,528,795	61.2	3,469,497	53.4	4,870,310	46.7	4,462,052	47.8	4,358,551	46.8
Cattle Calves	1,431,168	34.6	1,567,561	24.1	2,654,488	25.3	1,881,171	20.1	1,757,178	18.7
Hogs	1,074,409	26.0	1,886,709	29.0	2,196,559	20.9	2,562,235	27.4	2,578,890	27.7
Sheep Lambs	23,218	.5	15,227	.2	19,293	.2	18,646	0.2	22,483	.2
Dairy Products	220,719	5.4	304,224	4.7	506,847	4.8	517,968	5.5	473,041	5.1
Misc. Livestock	7,094	.2	9,647	1	19,096	.2	21,851	0.2	21,342	0.2
Poultry & Eggs	96,803	2.3	123,034	1.9	138,992	1.3	138,401	1.5	159,689	1.7
Crops	1,276,489	30.9	2,588,082	39.9	4,955,790	47.2	4,203,533	45.0	4,299,673	46.2
Food Grains	1,769	*	9,968	2	10,997	.1	7,093	0.1	10,074	0.1
Wheat	1,697	*	9,811	1	10,997	.1	6,940	0.1	9,833	0.1
Feed Crops	666,508	16.1	1,584,964	24.4	2,703,097	25.8	2,137,411	22.9	2,195,769	23.6
Corn	636,610	15.4	1,508,165	23.2	2,630,431	24.8	2,085,860	22.3	2,111,354	22.7
Oats	17,315	.5	41,082	6	35,122	.3	21,862	0.2	39,155	0.4
Hay	11,613	.2	34,282	5	35,815	.3	28,948	0.3	44,652	0.5
Sorghum Grain	921	.1	1,389	*	1,729	*	741	*	608	*
Oil Crops	582,092	14.1	944,525	14.5	2,172,444	20.7	2,001,391	21.4	2,034,186	21.8
Soybeans	582,036	14.0	944,421	14.5	2,172,444	20.7	2,001,391	21.4	2,034,186	21.8
Vegetables	6,218	.2	10,490	2	7,247	*	7,289	0.1	7,755	0.1
Fruits, Nuts	1,412	*	1,256	*	2,962	*	2,025	*	1,471	0.1
All Other Crops	18,490	.5	36,879	6	64,165	.6	48,320	.5	50,418	0.5

r = Revised.
*less than .1%
Source: Economic Research Service, United States Department of Agriculture.

Farm real estate, average value of land and buildings per acre

	1970	1975	1980	1981r	1982r	1983r	1984r	1985
Iowa	392	719	1,811	1,999	1,889	1,684	1,499	1,064
Minnesota	226	429	1,061	1,281	1,272	1,165	1,083	823
South Dakota	84	145	273	329	349	348	338	250
Nebraska	154	282	600	729	730	701	617	444
Kansas	159	296	573	619	628	601	583	466
Missouri	224	396	878	990	945	856	856	659
Illinois	490	846	2,013	2,188	2,023	1,837	1,800	1,314
Wisconsin	232	434	980	1,152	1,144	1,113	1,046	847
Indiana	406	720	1,833	2,031	1,104	1,610	1,594	1,259
Ohio	399	706	1,678	1,831	1,629	1,504	1,444	1,126
48 States	196	340	725	819	823	788	782	679

r = Revised.
Source: Farm Estate Market Developments, U.S. Department of Agriculture, July 1985.

Realized gross and net income from farming in Iowa (millions)

Year	Cash Receipts From Farm Marketings	Government Payments	Non-money Income	Other Farm Income	Realized Gross Farm Income	Farm Production Expenses	Realized Net Farm Income	Net Change In Farm Inventories	Total Net Farm Income
1970	$ 4,139.8	$235.8	$188.6	$ 34.7	$ 4,599.0	$ 3,464.0	$1,135.0	$ -84.4	$1,050.6
1971	3,972.1	203.5	196.0	41.3	4,412.8	3,627.0	785.9	35.6	821.4
1972	4,730.8	318.5	210.0	42.4	5,301.8	4,195.2	1,106.6	136.2	1,242.8
1973	6,989.8	186.2	234.7	52.4	7,463.1	5,112.8	2,350.8	300.1	2,650.4
1974	7,456.5	16.6	285.0	64.0	7,822.2	5,508.8	2,313.4	864.9	1,448.5
1975	6,494.5	53.1	336.1	80.6	6,964.3	5,923.8	1,040.5	591.2	1,631.7
1976	7,154.7	26.8	382.9	80.1	7,644.5	6,544.7	1,099.8	-173.8	926.0
1977	6,894.2	28.9	516.2	95.8	7,535.0	6,889.5	645.5	362.7	1,008.2
1978r	8,553.9	271.0	528.2	74.6	9,427.6	7,608.1	1,819.6	414.1	2,233.6
1979r	9,262.1	69.2	547.8	80.9	9,960.4	8,728.1	1,232.1	614.3	1,846.4
1980r	10,262.1	44.6	645.7	76.4	11,028.7	9,673.9	1,354.9	-644.8	710.0
1981r	10,620.5	58.2	718.6	84.6	11,481.9	9,646.0	1,835.9	259.7	2,095.6
1982r	9,994.7	215.9	684.3	88.6	10,983.4	9,747.3	1,236.1	-409.4	826.7
1983r	9,343.8	925.9	577.8	68.7	10,916.2	8,969.3	1,964.9	-1,948.7	-1.7
1984	9,312.3	742.8	514.3	82.2	10,651.6	9,089.5	1,562.1	650.5	2,212.6

r = Revised figures.
Source: Economic Indicators of the Farm Sector: State Balance Sheet Statistics, 1984, Economic Research Service, U.S.D.A.

Net income[1] per farm[2] (dollars)

	1970	1975	1980r	1982r	1983	1984
IOWA	$7,442	$13,196	$ 5,967	$ 7,066	$ -15	$19,580
Minnesota	6,805	10,819	9,627	7,857	4,790	15,555
South Dakota	6,786	14,802	9,455	11,552	7,971	21,543
Nebraska	6,340	14,802	5,079	11,510	5,463	24,970
Kansas	6,062	8,884	2,972	10,074	4,373	12,714
Missouri	3,025	4,712	2,786	3,281	-682	3,926
Illinois	4,996	18,596	4,621	8,429	-5,271	17,685
Wisconsin	5,265	7,792	14,862	13,276	8,886	18,159
Indiana	3,390	10,531	4,530	4,659	-4,427	11,959
Ohio	3,338	6,891	6,010	3,969	209	10,954
U.S.	4,837	9,860	8,296	10,266	6,327	14,830

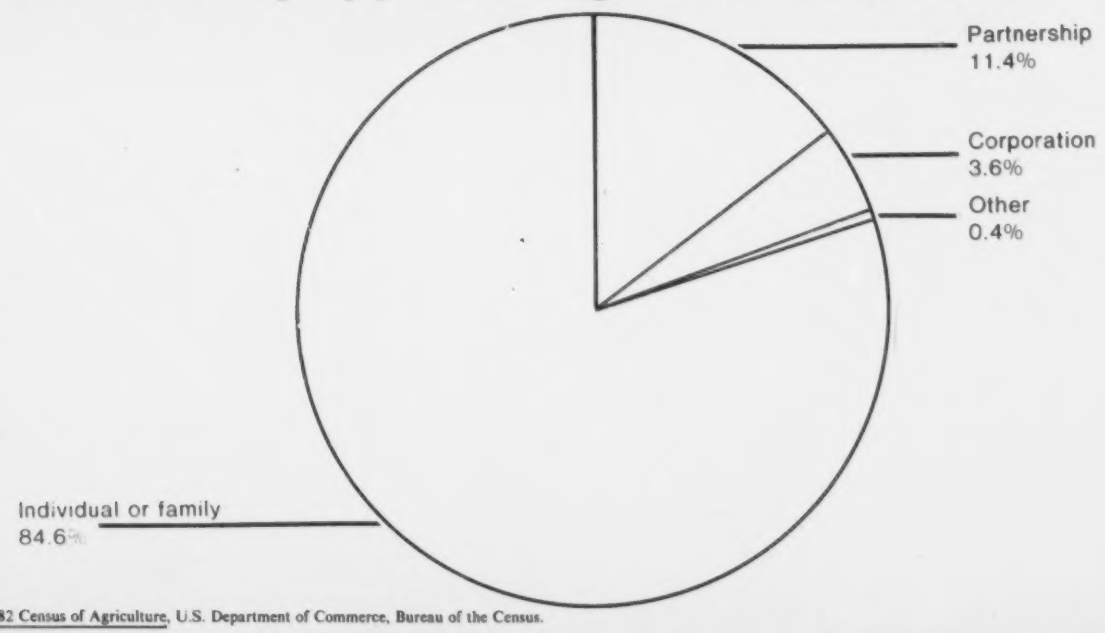
r = Revised.
[1]Includes changes in inventories and represents income of farm operator.
[2]A farm is a place with annual sales of agricultural products of $1,000 or more.
Source: Economic Indicators of the Farm Sector; State Income and Balance Sheet Statistics, 1984; National Economic Division, Economics Research Service, U.S.D.A.

Characteristics of Iowa farms[1]

Year	Agricultural Workers (Hired & Owners)[2]	Number of Farms[4]	Average Size Farms[4]	Total Land in Farms (1,000 Acres)[4]	Owned by Operator % of Total[5]	Rented by Operator % of Total[5]
1970	165,400	140,354	237	33,570	50.7	49.3
1975	159,400	130,000	262	34,160	N/A	N/A
1976	168,500	127,000	269	33,900	N/A	N/A
1977	161,300	125,000	273	33,800	N/A	N/A
1978	166,700	126,456	266	33,581	46.5	53.5
1979	164,600	121,000	281	33,800	N/A	N/A
1980	160,700	119,000	286	33,800	N/A	N/A
1981	156,600	118,000	286	33,800	N/A	N/A
1982	153,300	117,000	289	33,800	45.9	54.1
1983	150,000	115,000	293	33,700	N/A	N/A
1984[3]	146,700	113,000	297	33,600	N/A	N/A
1985	146,900[3]	111,000	303	33,600	N/A	N/A

N/A = Not available.
[1]A farm is defined as a place with annual receipts of $1,000 or more of agricultural products.
[2]Source: Job Service of Iowa.
[3]Estimated from first nine months of 1985.
[4]Iowa Crop and Livestock Reporting Service.
[5]Census of Agriculture, 1970, 1974, 1978, 1982, U.S. Department of Commerce, Bureau of the Census.

Iowa farms by type of organization, 1982



Source: 1982 Census of Agriculture, U.S. Department of Commerce, Bureau of the Census.

Wage rates[1] for selected farm workers, 1985

	Field Workers	Livestock Workers	Field & Livestock Workers Combined	All Hired Farm Workers
Cornbelt I[2]	$4.06	$4.13	$4.08	$4.31
Cornbelt II[3]	4.20	4.13	4.18	4.20
Lake[4]	3.67	3.48	3.60	3.78
Northern Plains[5]	4.47	4.37	4.46	4.40

[1] = Dollars per hour
[2] = IL, IN, OH
[3] = IA, MO
[4] = MI, MN, WI
[5] = KS, NE, ND, SD
Source: Farm Labor, Crop Reporting Board, Statistical Reporting Service, U.S. Department of Agriculture, 1985.

Iowa farmers by age group

Operators by age group	1969	1974	1978r	1982
Under 25 years	3,600	4,280	6,339	5,602
25 to 34 years	18,734	15,835	19,205	20,346
35 to 44 years	31,235	24,153	23,918	22,548
45 to 54 years	39,255	33,668	30,341	26,104
55 to 64 years	33,543	31,404	28,959	27,594
65 years and over	14,347	15,355	12,577	13,219
Average age	48.7	49.3	47.5	47.6

r = Revised.
Source: 1982 Census of Agriculture, U.S. Department of Commerce, Bureau of the Census.

Farm equipment retail sales

	1977	1980	1981	1982	1983	1984[1]e
Farm wheel tractors, 40 PTO horsepower and over	8,396	7,136	6,091	4,794	4,433	3,093
Self-propelled combines	1,595	2,928	2,966	1,895	1,411	932

[1]Includes under 40 PTO.
e = Estimate.
Source: Unit Retail Sales – Implement & Tractor, November, 1985.

Federal farm payments by program (thousands)

Program	1970	1975	1980	1982	1983	1984
Conservation	$ 8,832	$ 7,233	$ 7,615	$ 6,463	$ 8,125	$ 7,360
Sugar Act	50	–	–	–	–	–
Wool Act	1,523	–	–	–	1,440	2,742
Soil Bank	5	–	–	–	–	–
Feed Grain	221,294	44,286	6,319	81,366	262,493	70,408
Wheat	809	460	96	467	498	858
Cropland Adjustment	3,302	668	–	–	–	–
Drought and Flood	–	–	7	5	–	–
Miscellaneous	–	474	30,526	127,568	626,928	661,395
Total	235,815	53,121	44,563	215,869	899,484	742,763

Source: Economic Indicators of the Farm Sector; State Income and Balance Sheet Statistics, 1984; National Economic Division, Economic Research Service, U.S.D.A.

Principal machines on Iowa farms

	1980	1982	1983	1984	1985
Wheel and Crawler Tractors	328,292	324,800	320,000	314,000	297,000
Self-propelled Combines	55,889	64,400	65,900	65,900	59,200
Corn Pickers, Corn Heads & Picker-Shellers	53,427	62,200	63,600	64,000	59,000
Pick-up Balers	34,400	42,900	42,000	41,000	48,000
Side Delivery Rakes	86,400	91,200	99,000	97,900	85,000
Motor Trucks & Pickups	148,000	149,900	150,500	150,700	149,600
Power Elevators	185,000	206,300	207,800	208,800	184,700
Tractor Moldboard Plows	235,000	221,200	219,500	215,500	196,000
Field Forage Harvesters	19,479	26,500	26,500	26,300	16,800
Manure Spreaders	110,000	110,500	108,000	106,000	91,300
Corn Planters	109,000	116,600	115,500	114,500	99,800
Grain Drills	59,600	66,700	66,200	657,000	57,300
Hay Conditioners	26,631	33,800	34,200	34,400	29,500

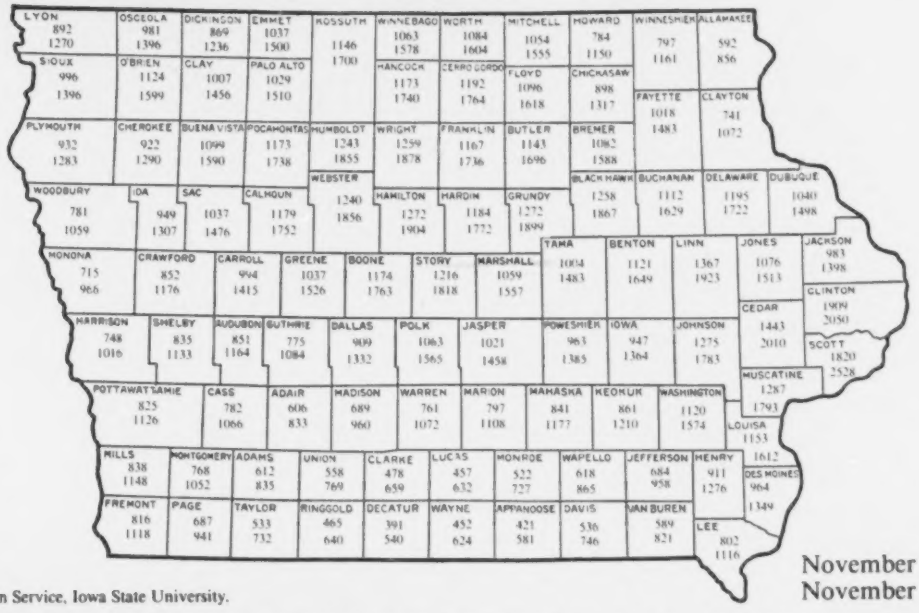
Source: Principal Machines on Farms — Implement & Tractor, November, 1985.

Comparison of income spent on food, U.S. and selected countries

	% of population Involved in Food Production	% of disposable Income Spent on Food	Positive food Trade Balance in Billion $	Minutes Worked to Earn		
				1 lb. Beef	1 lb. Bread	1 Dozen Eggs
United States	2.3	14	$ 18.0	16	4	6
Australia	6.0	17	5.0	22	4	11
Brazil	38.9	41	5.0	135	43	73
China	60.6	60	-1.9	455	N/A	205
France	9.1	20	.1	34	8	13
India	64.0	59	.5	N/A	46	151
Japan	11.8	23	-13.0	174	7	12
Mexico	36.9	41	.4	132	52	62
South Korea	39.9	44	-1.5	335	N/A	48
Soviet Union	17.3	34	-8.1	60	8	71
United Kingdom	2.1	19	-.8	57	4	16

N/A = Not Available
Source: Agricultural Council of America.

Average value of farm land, 1985

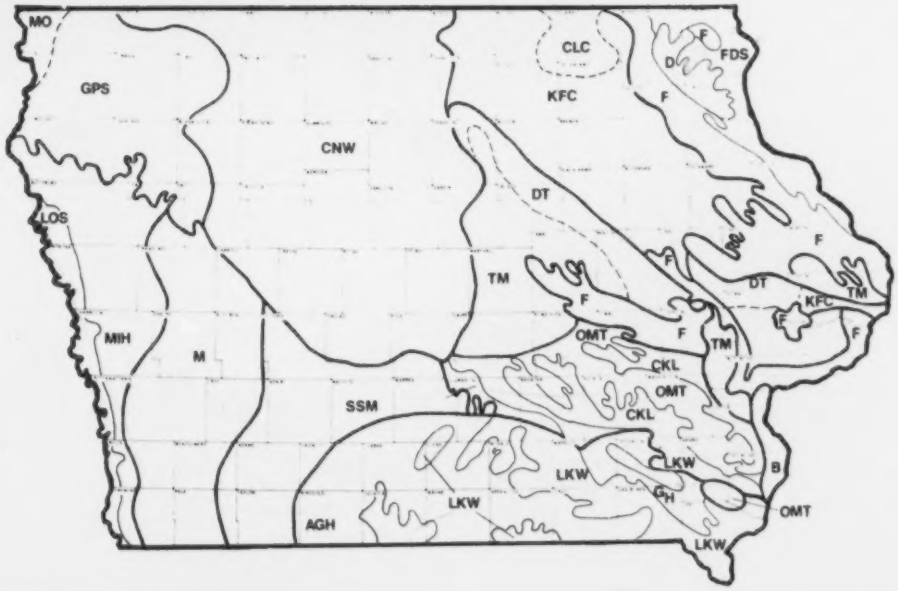


November 1, 1985 above.
November 1, 1984 below.

Source: Cooperative Extension Service, Iowa State University.

County estimates of average dollar value per acre for Iowa farmland based on U.S. Census of Agriculture estimates and a Nov. 1, 1985 survey of Iowa real estate brokers. The top figure is the estimated Nov. 1, 1985, value; the bottom figure is the estimated Nov. 1, 1984 value.

Principal soil-association areas



B	SOILS OF MISS. BOTTOMLAND	—	GRADATIONAL BOUNDARY
----	TENTATIVE BOUNDARY	—	ABRUPT BOUNDARY

AGH:	ADAIR-GRUNDY-HAIG	D:	DOWNS	GH:	GRUNDY-HAIG	MIH:	MONONA-IDA-HAMBURG
ASE:	ADAIR-SEYMOUR-EDINA	DT:	DINSDALE-TAMA	KFC:	KENYON-FLOYD-CLYDE	Mo:	MOODY
CKL:	CLINTON-KESWICK-LINDLEY	F:	FAYETTE	LKW:	LINDLEY-KESWICK-WELLER	OMT:	OTLEY-MAHASKA-TAINTER
CLC:	CRESCO-LOURDES-CLYDE	FDS:	FAYETTE-DUBUQUE-STONYLAND	LOS:	LUTON-ONAWA-SALIX	SSM:	SHELBY-SHARPSBURG-MACKSBURG
CNW:	CLARION-NICOLLET-WEBSTER	GPS:	GALVA-PRIMGHAR-SAC	M:	MARSHALL	TM:	TAMA-MUSCATINE

SOURCE: Cooperative Extension Service, Iowa State University.

Number and average size of farms

County and District	Number of farms				Average acres per farm			
	1981	1982	1983	1984[1]	1981	1982	1983	1984[1]
Buena Vista	1,250	1,250	1,240	1,160	284	284	285	303
Cherokee	1,180	1,180	1,160	1,190	305	305	306	299
Clay	1,030	1,030	1,030	1,030	338	338	338	336
Dickinson	660	660	660	640	341	341	346	354
Emmet	720	720	720	700	334	334	337	344
Lyon	1,390	1,390	1,390	1,360	264	264	264	267
O'Brien	1,240	1,240	1,240	1,310	286	286	287	269
Osceola	820	820	820	820	299	299	303	301
Palo Alto	1,050	1,050	1,050	1,000	330	330	335	349
Plymouth	1,890	1,890	1,880	1,840	286	286	286	290
Pocahontas	1,150	1,150	1,140	1,090	312	312	312	326
Sioux	1,920	1,920	1,880	2,060	245	245	246	227
N.W. District	14,300	14,300	14,210	14,200	294	294	296	295
Butler	1,520	1,500	1,480	1,440	234	237	237	245
Cerro Gordo	1,020	1,020	1,020	1,020	325	325	330	332
Floyd	1,130	1,120	1,100	1,080	272	275	276	281
Franklin	1,170	1,170	1,170	1,140	302	302	307	314
Hancock	1,220	1,210	1,190	1,150	290	292	293	304
Humbolt	860	850	850	830	311	315	318	322
Kossuth	1,930	1,920	1,880	1,850	315	317	319	324
Mitchell	1,030	1,030	1,000	990	283	283	287	292
Winnebago	880	870	850	830	280	283	285	293
Worth	840	830	810	780	290	293	298	311
Wright	1,100	1,080	1,040	990	326	332	340	359
N.C. District	12,700	12,600	12,390	12,100	293	295	298	306
Allamakee	1,190	1,170	1,150	1,110	323	325	329	337
Black Hawk	1,390	1,370	1,370	1,320	208	211	226	234
Bremer	1,310	1,310	1,300	1,250	200	200	200	208
Buchanan	1,500	1,480	1,450	1,370	233	236	239	252
Chickasaw	1,170	1,150	1,140	1,150	264	269	271	265
Clayton	1,850	1,810	1,720	1,680	246	252	262	277
Delaware	1,500	1,490	1,480	1,440	234	235	236	242
Dubuque	1,710	1,690	1,660	1,670	206	209	210	209
Fayette	1,810	1,780	1,670	1,600	245	249	265	276
Howard	1,070	1,060	1,060	1,030	272	275	276	280
Winneshiek	1,800	1,790	1,730	1,680	234	236	241	250
N.E. District	16,300	16,100	15,730	15,300	240	243	248	255
Audubon	980	980	910	890	287	287	305	312
Calhoun	1,120	1,120	1,120	1,140	311	311	316	309
Carroll	1,320	1,320	1,320	1,370	268	268	270	256
Crawford	1,620	1,600	1,590	1,480	278	281	281	300
Greene	1,050	1,050	1,050	1,030	336	336	338	344
Guthrie	1,120	1,100	1,100	1,080	330	333	334	337
Harrison	1,240	1,230	1,230	1,170	347	349	350	363
Ida	890	880	870	860	303	310	311	312
Monona	1,000	990	980	920	427	431	432	458
Sac	1,110	1,100	1,100	1,120	323	323	326	317
Shelby	1,220	1,220	1,210	1,290	303	303	305	283
Woodbury	1,830	1,790	1,680	1,550	282	288	304	329
W.C. District	14,500	14,400	14,160	13,900	310	315	319	323
Boone	1,220	1,220	1,210	1,130	274	274	280	299
Dallas	1,190	1,190	1,180	1,180	296	296	296	293
Grundy	1,170	1,170	1,170	1,110	268	268	271	282
Hamilton	1,230	1,230	1,210	1,130	288	288	291	310
Hardin	1,180	1,180	1,180	1,180	295	295	297	294
Jasper	1,560	1,550	1,530	1,550	288	290	291	283
Marshall	1,230	1,210	1,200	1,170	287	286	288	294
Polk	1,230	1,200	1,160	1,090	212	217	222	239
Poweshiek	1,230	1,210	1,200	1,130	294	299	301	316
Story	1,140	1,140	1,140	1,220	293	293	295	274
Tama	1,640	1,620	1,570	1,480	271	275	280	296
Webster	1,280	1,280	1,280	1,330	332	332	333	319
C. District	15,300	15,200	15 030	14,700	283	284	287	292

Number, size of farms (continued)

County and District	Number of farms				Average acres per farm			
	1981	1982	1983	1984[1]	1981	1982	1983	1984[1]
Benton	1,460	1,460	1,460	1,550	298	298	301	281
Cedar	1,270	1,270	1,270	1,300	277	277	280	271
Clinton	1,620	1,620	1,590	1,540	251	251	252	266
Iowa	1,170	1,170	1,170	1,130	309	309	309	320
Jackson	1,460	1,460	1,440	1,390	267	267	268	273
Johnson	1,390	1,390	1,390	1,480	242	242	243	228
Jones	1,370	1,370	1,340	1,280	261	261	262	273
Linn	1,690	1,690	1,690	1,770	231	231	231	220
Muscatine	930	930	930	980	270	270	271	256
Scott	1,040	1,040	1,040	1,080	232	232	235	221
E.C. District	13,400	13,400	13,320	13,500	263	263	264	259
Adair	1,080	1,070	1,060	1,040	333	336	337	343
Adams	740	730	730	720	360	365	365	368
Cass	1,070	1,060	1,060	1,060	326	329	329	327
Fremont	740	740	730	760	428	428	428	412
Mills	730	720	710	670	369	375	377	399
Montgomery	780	780	780	750	333	333	334	348
Page	1,050	1,050	1,050	1,040	313	313	315	316
Pottawattamie	1,930	1,890	1,850	1,790	291	297	306	314
Taylor	980	960	920	870	344	351	364	383
S.W. District	9,100	9,000	8,890	8,700	335	339	343	349
Appanoose	1,060	1,010	930	880	274	287	304	329
Clarke	700	690	690	750	379	385	386	352
Decatur	820	790	770	750	401	417	426	433
Lucas	830	820	780	750	317	321	333	340
Madison	1,280	1,250	1,160	1,130	277	283	301	307
Marion	1,270	1,270	1,240	1,210	244	244	247	255
Monroe	830	800	780	740	321	333	340	357
Ringgold	840	830	800	760	404	409	424	444
Union	710	710	710	760	369	369	369	342
Warren	1,400	1,390	1,370	1,360	248	250	250	246
Wayne	860	840	840	810	375	383	386	400
S.C. District	10,600	10,400	10,070	9,900	316	322	330	334
Davis	1,100	1,060	1,010	930	283	294	308	334
Des Moines	800	790	790	800	273	276	279	273
Henry	990	980	970	940	263	266	267	279
Jefferson	1,020	990	950	880	261	269	274	299
Keokuk	1,180	1,170	1,170	1,170	302	305	305	305
Lee	1,130	1,120	1,090	1,040	262	264	268	283
Louisa	730	720	710	680	324	328	328	343
Mahaska	1,370	1,360	1,280	1,240	258	260	274	283
Van Buren	980	970	940	870	301	304	311	341
Wapello	1,230	1,180	1,050	940	205	213	238	266
Washington	1,270	1,260	1,240	1,210	274	276	278	284
S.E. District	11,800	11,600	11,200	10,700	271	275	283	297
State	118,000	117,000	115,000	113,000	286	289	293	297

[1]Preliminary
Source: Iowa Crop and Livestock Reporting Service.

Corn and soybeans harvested

County and district	Corn 1983r Yield (bu/a)	Corn 1983r Production (000 bu.)	Corn 1984 Yield (bu/a)	Corn 1984 Production (000 bu.)	Corn for Silage 1983r (000 s of Tons)	Corn for Silage 1984 (000 s of Tons)	Soybeans 1983r Yield (bu/a)	Soybeans 1983r Production (000 bu.)	Soybeans 1984 Yield (bu/A)	Soybeans 1984 Production (000 bu.)
Buena Vista	81.4	8,713	98.3	15,426	39	62	32.5	3,953	31.5	4,005
Cherokee	89.8	7,793	116.4	15,915	101	146	37.9	3,524	35.9	3,435
Clay	84.4	7,347	104.2	13,706	60	96	35.1	4,071	32.2	4,127
Dickinson	84.5	4,732	114.7	10,240	37	31	24.1	2,501	31.7	2,324
Emmet	89.0	6,780	101.9	12,099	47	82	37.4	3,439	30.0	2,793
Lyon	85.6	9,514	103.5	16,057	165	109	35.9	3,754	35.0	4,163
O'Brien	95.7	10,754	113.0	17,795	78	63	36.8	4,789	36.1	4,986
Osceola	88.7	5,563	112.1	11,483	53	38	35.4	3,332	35.9	3,630
Palo Alto	87.5	8,751	100.1	16,452	40	64	34.0	4,396	30.1	4,174
Plymouth	80.1	12,454	112.6	26,063	112	140	34.2	3,997	35.8	4,706
Pocahontas	83.3	8,112	101.4	15,557	32	36	32.8	4,772	31.5	4,853
Sioux	90.4	12,902	115.1	25,139	228	172	37.1	4,109	38.2	4,787
N.W. District	86.5	103,415	107.9	195,932	992	1,039	35.1	46,637	33.7	47,983
Butler	104.5	10,870	113.7	19,295	42	51	37.1	3,220	31.3	2,743
Cerro Gordo	109.3	12,550	111.9	18,315	25	28	37.0	4,021	30.2	3,580
Floyd	97.3	7,817	115.7	16,158	33	33	36.0	3,812	31.9	3,527
Franklin	108.1	11,549	117.3	19,463	38	56	38.4	4,635	34.2	4,414
Hancock	99.6	9,823	108.8	18,094	44	76	36.7	4,639	31.7	4,303
Humbolt	98.2	7,522	112.7	13,594	30	54	36.1	3,949	34.4	3,859
Kossuth	98.4	17,738	117.4	30,678	52	109	37.6	9,603	32.8	8,669
Mitchell	96.0	7,833	115.5	13,606	83	94	36.4	3,052	30.9	2,741
Winnebago	98.0	7,799	117.6	13,990	17	24	33.2	3,013	31.4	2,962
Worth	102.9	7,315	117.1	13,281	22	25	36.6	3,039	32.3	2,734
Wright	101.6	10,393	117.0	19,139	24	36	36.6	5,712	34.0	5,429
N.C. District	101.5	111,209	115.0	195,613	416	586	36.7	48,695	32.4	44,961
Allamakee	109.6	5,621	112.7	8,861	126	87	37.6	154	30.2	127
Black Hawk	111.0	11,687	106.5	17,186	74	33	39.7	3,395	31.1	2,787
Bremer	113.6	7,920	115.2	13,403	54	21	38.2	2,181	31.0	1,744
Buchanan	100.4	12,987	118.4	21,353	47	52	36.2	2,395	31.0	2,060
Chickasaw	97.2	7,865	103.4	14,002	132	83	34.7	2,351	28.5	1,895
Clayton	106.6	11,803	116.4	19,528	114	150	33.5	171	35.2	183
Delaware	89.0	10,962	118.2	20,729	205	117	32.0	768	30.0	741
Dubuque	95.6	8,909	124.4	15,048	174	145	33.7	91	40.0	124
Fayette	106.8	12,515	115.8	21,083	159	128	36.6	2,628	33.0	2,551
Howard	95.7	6,927	108.4	12,313	83	65	32.5	2,367	29.2	2,198
Winneshiek	107.3	8,982	112.8	15,327	200	237	35.1	625	29.9	520
N.E. District	102.4	106,178	114.1	178 833	1,368	1,118	36.1	17,126	30.7	14,930
Audubon	89.6	7,659	101.6	11,917	61	53	36.9	2,367	30.7	2,242
Calhoun	101.2	10,524	104.4	18,005	45	27	36.5	5,155	31.1	4,625
Carroll	87.8	9,091	109.3	16,595	158	185	36.1	3,675	33.4	3,447
Crawford	80.0	9,155	110.6	17,797	70	54	35.7	3,183	32.5	2,877
Greene	104.4	9,369	121.2	16,028	50	25	39.7	5,266	34.7	4,985
Guthrie	84.5	6,165	109.0	13,194	43	118	35.2	2,552	29.1	2,212
Harrison	87.1	8,362	103.1	16,066	46	24	32.3	3,498	25.4	2,843
Ida	92.5	7,630	117.9	15,614	46	75	35.5	2,339	34.0	2,543
Monona	75.0	9,038	101.3	15,666	54	78	26.2	2,657	25.0	2,733
Sac	85.0	9,490	108.2	16,028	100	53	34.5	3,746	31.4	3,888
Shelby	81.2	8,856	117.8	21,117	86	93	36.3	3,046	31.3	3,001
Woodbury	75.0	9,913	108.1	21,548	67	58	27.5	2,365	26.2	2,516
W.C. District	86.1	105,252	109.3	199,575	826	850	34.5	39,849	30.5	37,912
Boone	111.4	9,737	120.8	15,355	23	33	41.8	5,104	35.0	4,256
Dallas	89.0	8,254	114.7	16,807	27	35	36.0	3,886	32.1	3,513
Grundy	118.0	11,941	108.7	16,757	50	62	43.0	4,601	34.2	4,091
Hamilton	104.4	10,306	113.6	15,755	22	28	37.5	4,840	34.1	4,480
Hardin	116.4	13,980	124.0	21,114	43	59	40.7	4,357	36.6	4,477
Jasper	82.6	9,726	127.2	22,078	44	49	39.7	3,863	33.2	3,511
Marshall	109.8	10,490	122.7	17,819	41	47	43.0	3,861	35.4	3,233
Polk	93.5	6,248	121.1	11,501	15	21	37.3	2,809	31.0	2,617
Poweshiek	76.0	6,651	115.8	13,259	38	45	37.7	2,944	34.0	2,697
Story	114.3	11,053	119.5	19,203	40	40	39.8	4,891	32.8	4,309
Tama	108.7	11,708	121.1	21,677	32	39	41.3	4,030	33.4	3,628
Webster	111.0	13,204	107.9	17,007	24	32	38.2	6,547	34.2	6,202
C. District	103.5	123,298	118.2	209,332	399	490	39.6	51,643	33.9	47,014

Corn and soybeans harvested (continued)

County and district	Corn 1983r Yield (bu/a)	Corn 1983r Production (000 bu.)	Corn 1984r Yield (bu/a)	Corn 1984r Production (000 bu.)	Corn for Silage 1983r (000 s of Tons)	Corn for Silage 1984 (000 s of Tons)	Soybeans 1983r Yield (bu/a)	Soybeans 1983r Production (000 bu.)	Soybeans 1984 Yield (bu/A)	Soybeans 1984 Production (000 bu.)
Benton	90.8	11,089	121.2	23,024	101	90	38.6	4,897	34.2	4,292
Cedar	90.9	10,099	134.7	21,505	85	89	40.4	2,835	40.6	2,967
Clinton	87.9	13,364	113.6	25,821	108	93	37.4	2,444	36.7	2,655
Iowa	69.2	6,585	123.4	18,062	55	30	34.3	1,429	34.3	1,727
Jackson	77.1	5,593	110.5	11,931	114	91	37.5	319	32.6	280
Johnson	76.7	8,231	117.7	16,885	59	27	33.5	1,714	32.5	1,873
Jones	89.0	9,341	131.1	20,520	133	131	35.7	1,456	35.4	1,556
Linn	77.4	8,000	126.6	19,306	69	54	32.1	2,853	32.5	2,871
Muscatine	91.1	6,917	127.1	16,214	48	28	35.5	1,879	35.3	1,876
Scott	97.4	10,978	127.4	18,058	43	36	41.9	1,655	42.3	1,775
E.C. District	85.3	90,197	123.2	191,326	763	619	36.7	21,481	35.6	21,872
Adair	77.3	5,660	97.4	11,050	31	36	35.1	2,290	25.4	1,597
Adams	60.1	2,747	70.0	4,254	36	21	26.9	1,196	19.6	954
Cass	91.3	7,661	107.0	12,658	102	88	35.2	2,738	26.7	1,987
Fremont	85.2	~~5,894~~	96.5	10,037	16	16	35.6	3,482	23.6	2,291
Mills	90.0	5,526	98.2	9,641	35	21	34.2	2,740	23.7	2,150
Montgomery	82.2	4,913	87.8	7,385	43	19	28.3	1,859	21.9	1,541
Page	73.0	4,990	73.2	6,811	29	29	31.7	2,722	20.5	1,859
Pottawattamie	85.4	12,571	117.0	28,887	102	72	35.4	5,177	30.5	4,727
Taylor	44.6	2,460	60.6	4,550	12	30	22.8	1,480	20.5	1,384
S.W. District	78.9	52,422	95.8	95,273	406	332	32.5	23,684	24.4	18,490
Appanoose	19.1	372	89.3	2,858	41	27	20.0	612	23.5	730
Clarke	27.1	830	61.2	2,522	31	56	21.2	713	21.8	750
Decatur	28.1	896	84.2	4,410	54	51	16.1	627	20.2	863
Lucas	33.3	820	83.9	3,254	33	32	25.3	622	19.8	549
Madison	73.4	4,098	88.6	8,122	42	38	31.4	1,627	23.2	1,378
Marion	61.0	2,905	109.0	8,088	57	69	32.9	1,772	27.3	1,520
Monroe	29.8	644	91.6	3,528	39	12	23.7	520	23.9	543
Ringgold	45.7	1,485	60.1	3,753	73	54	21.5	1,193	22.3	1,277
Union	64.0	2,421	81.5	4,595	19	32	27.7	879	20.0	722
Warren	60.3	3,332	100.6	9,278	73	50	31.6	1,690	27.3	1,437
Wayne	22.7	857	73.8	5,278	71	23	18.0	936	20.0	1,046
S.C. District	47.2	18,660	85.5	55,686	535	464	25.0	11,191	22.9	10,815
Davis	21.4	691	101.5	5,115	52	19	17.9	796	26.1	1,121
Des Moines	67.6	4,491	134.4	13,700	20	31	35.9	1,743	35.8	1,676
Henry	47.1	3,436	114.3	10,868	26	20	31.7	1,754	35.4	2,108
Jefferson	32.2	1,569	118.8	10,288	27	25	26.1	1,490	32.6	2,110
Keokuk	38.9	3,325	123.3	14,409	31	34	29.6	1,814	32.5	2,040
Lee	40.7	2,199	122.9	11,905	89	42	28.2	1,626	33.2	1,886
Louisa	63.5	4,225	130.3	12,652	14	29	31.6	1,619	37.6	2,065
Mahaska	50.0	4,530	118.4	14,296	93	104	34.6	2,572	30.6	2,200
Van Buren	30.0	1,030	107.1	6,114	38	39	24.8	1,231	30.8	1,552
Wapello	32.6	1,072	112.0	5,654	31	12	26.5	1,260	26.4	1,250
Washington	61.1	6,651	123.3	18,229	74	72	37.9	2,389	37.4	2,615
S.E. District	47.9	33,219	120.7	123,230	515	427	30.0	18,294	32.8	20,623
State	87.0	743,850	112.0	1,444,800	6,240	5,925	35.0	278,600	31.5	264,600

r = Revised figures.
Source: Iowa Crop and Livestock Reporting Service.

Hogs, and grain-fed cattle marketed, cows and heifers that have calved

County and District	Hogs Marketed (000)		Grain Fed Cattle Marketed (000)		Milk Cows (000)		Beef Cows (000)	
	1983r	1984	1983r	1984	1984r	1985	1984r	1985
Buena Vista	350.0	351.0	26.8	21.5	.8	.8	7.9	6.9
Cherokee	305.0	290.0	67.0	53.6	2.0	1.9	15.7	13.7
Clay	195.0	196.0	31.2	25.5	.7	.7	10.1	8.7
Dickinson	125.0	126.0	22.8	18.1	.7	.7	6.6	5.8
Emmet	130.0	124.0	20.2	16.5	.5	.5	7.3	6.3
Lyon	340.0	343.0	63.0	50.2	7.5	7.2	15.3	13.0
O'Brien	290.0	275.0	79.0	64.6	2.4	2.3	8.0	7.0
Osceola	175.0	165.0	31.3	24.8	2.2	2.1	4.1	3.6
Palo Alto	245.0	229.0	20.5	16.4	.8	.8	5.4	4.7
Plymouth	531.0	501.0	78.0	63.8	3.3	3.2	19.7	17.0
Pocahontas	220.0	222.0	18.2	14.4	.6	.6	3.0	2.6
Sioux	635.0	619.0	182.0	149.6	12.3	11.9	9.9	8.7
N.W. District	3,541.0	3,441.0	640.0	519.0	33.8	32.7	113.0	98.0
Butler	310.0	313.0	14.5	12.6	4.8	4.7	9.0	7.6
Cerro Gordo	225.0	203.0	11.1	9.6	1.1	1.1	6.6	5.6
Floyd	175.0	176.0	10.3	8.9	2.2	2.1	6.7	5.7
Franklin	315.0	318.0	22.7	19.7	1.5	1.4	8.2	7.0
Hancock	300.0	301.0	14.3	12.4	1.8	1.7	5.4	4.6
Humboldt	160.0	150.0	15.5	12.9	.8	.8	2.4	2.1
Kossuth	480.0	469.0	31.6	26.5	2.6	2.5	7.9	6.7
Mitchell	255.0	257.0	21.3	18.5	4.8	4.7	6.1	5.2
Winnebago	160.0	161.0	4.9	4.2	1.4	1.3	2.1	1.8
Worth	125.0	126.0	6.3	5.3	1.5	1.4	3.1	2.7
Wright	190.0	171.0	13.5	11.4	.7	.7	3.5	3.0
N.C. District	2,695.0	2,645.0	166.0	142.0	23.2	22.4	61.0	52.0
Allamakee	160.0	161.0	10.9	9.3	21.8	21.2	26.0	22.8
Black Hawk	190.0	191.0	17.1	14.5	4.5	4.4	6.1	5.5
Bremer	145.0	146.0	9.6	8.2	10.8	10.4	4.3	3.7
Buchanan	300.0	303.0	16.6	14.1	7.3	7.1	10.7	9.8
Chickasaw	195.0	196.0	13.7	11.6	6.4	6.2	8.8	8.2
Clayton	360.0	363.0	16.4	13.9	30.8	29.9	21.7	19.0
Delaware	545.0	550.0	19.6	16.1	24.2	23.6	9.7	9.0
Dubuque	360.0	363.0	30.4	25.8	31.7	30.2	17.1	16.1
Fayette	320.0	323.0	26.0	22.1	21.7	21.1	15.0	13.9
Howard	125.0	124.0	8.5	7.1	9.0	8.8	11.1	10.5
Winneshiek	260.0	255.0	19.2	16.3	29.8	29.0	19.5	18.5
N.E. District	3,960.0	2,975.0	188.0	159.0	198.0	191.9	150.0	137.0
Audubon	275.0	260.0	36.8	25.1	1.4	1.3	16.6	14.6
Calhoun	210.0	204.0	28.4	19.3	.3	.3	7.9	6.9
Carroll	410.0	414.0	98.6	68.0	1.8	1.7	13.7	12.0
Crawford	340.0	306.0	51.0	34.7	2.5	2.3	27.2	23.9
Greene	215.0	194.0	23.4	16.0	.2	.2	13.3	11.7
Guthrie	150.0	151.0	18.3	13.2	1.1	1.1	23.1	20.3
Harrison	130.0	117.0	12.8	8.7	1.3	1.2	18.0	15.8
Ida	215.0	197.0	42.1	30.3	1.4	1.3	13.6	11.8
Monona	115.0	110.0	26.0	17.7	.7	.7	12.8	11.4
Sac	325.0	328.0	61.0	43.6	1.9	1.8	13.7	12.0
Shelby	330.0	321.0	39.7	27.0	1.5	1.4	19.0	16.7
Woodbury	295.0	283.0	71.9	49.4	1.7	1.6	26.1	22.9
W.C. District	3,010.0	2,885.0	510.0	353.0	15.8	14.9	205.0	180.0
Boone	210.0	212.0	22.4	16.4	.4	.4	7.5	7.0
Dallas	140.0	141.0	22.1	16.2	.4	.4	10.8	10.1
Grundy	230.0	228.0	39.8	29.8	2.2	2.1	7.4	7.0
Hamilton	255.0	257.0	19.9	14.5	.4	.4	3.0	2.8
Hardin	270.0	270.0	48.4	35.6	.8	.8	10.8	10.1
Jasper	340.0	343.0	33.3	24.5	2.7	2.4	24.4	23.2
Marshall	160.0	161.0	22.3	16.7	.8	.8	15.5	14.5
Polk	65.0	65.0	7.3	5.5	.6	.6	6.1	5.8
Poweshiek	220.0	222.0	19.4	14.3	1.8	1.6	23.6	22.2
Story	175.0	176.0	15.0	11.0	1.3	1.2	5.7	5.5
Tama	265.0	267.0	24.6	17.8	2.0	1.8	20.3	19.1
Webster	140.0	141.0	10.5	7.7	.6	.6	4.9	4.7
C. District	2,470.0	2,485.0	285.0	210.0	14.0	13.1	140.0	132.0

Hogs and grain-fed cattle marketed; cows and heifers that have calved (continued)

County and District	Hogs Marketed (000)		Grain Fed Cattle Marketed (000)		Milk Cows (000)		Beef Cows (000)	
	1983r	1984	1983r	1984	1984r	1985	1984r	1985
Benton	325.0	328.0	36.2	30.6	2.8	2.7	16.1	15.3
Cedar	380.0	381.0	23.8	19.8	2.1	2.0	12.0	11.4
Clinton	320.0	314.0	62.0	52.0	4.3	4.2	14.3	13.5
Iowa	335.0	328.0	27.0	22.9	2.1	2.0	23.3	21.5
Jackson	195.0	176.0	25.0	21.2	11.7	11.4	27.1	25.8
Johnson	375.0	378.0	13.4	11.1	3.1	3.0	18.9	17.8
Jones	330.0	306.0	27.5	23.4	6.5	6.3	17.3	16.5
Linn	195.0	196.0	14.7	12.4	5.4	5.2	12.6	11.9
Muscatine	165.0	166.0	11.4	9.5	1.8	1.7	9.8	9.0
Scott	280.0	282.0	19.0	16.1	2.7	2.6	7.6	7.3
E.C. District	2,900.0	2,855.0	260.0	219.0	42.5	41.1	159.0	150.0
Adair	210.0	212.0	23.5	16.9	1.7	1.5	30.2	27.8
Adams	125.0	120.0	9.2	6.6	.6	.6	20.5	19.5
Cass	220.0	222.0	41.5	29.5	.9	.8	22.6	21.3
Fremont	80.0	80.0	22.2	16.0	.5	.5	11.2	10.6
Mills	85.0	81.0	23.7	16.8	.3	.3	8.8	8.1
Montgomery	135.0	136.0	22.4	15.9	.7	.7	13.9	12.8
Page	180.0	181.0	20.0	14.1	.8	.8	17.5	16.5
Pottawattamie	245.0	247.0	90.1	64.9	1.1	1.0	21.8	20.4
Taylor	120.0	121.0	7.4	5.3	.6	.6	22.5	21.0
S.W. District	1,400.0	1,400.0	260.0	186.0	7.2	6.8	169.0	158.0
Appanoose	55.0	55.0	2.6	1.8	.8	.8	24.1	22.3
Clarke	85.0	85.0	3.8	2.7	.4	.4	22.2	20.6
Decatur	75.0	69.0	4.0	2.8	.8	.8	28.5	26.9
Lucas	80.0	74.0	4.7	3.2	.7	.7	21.4	19.9
Madison	160.0	161.0	10.4	7.4	.9	.8	24.7	23.4
Marion	260.0	240.0	11.6	8.2	1.9	1.8	17.9	16.8
Monroe	100.0	92.0	3.9	2.7	1.3	1.2	22.3	21.2
Ringgold	115.0	113.0	6.1	4.3	.9	.9	28.1	26.7
Union	100.0	92.0	7.6	5.3	.7	.7	23.2	21.5
Warren	170.0	159.0	6.2	4.3	2.0	1.8	21.4	20.2
Wayne	75.0	75.0	6.1	4.3	1.2	1.1	26.2	24.9
S.C. District	1,275.0	1,215.0	67.0	47.0	11.6	11.0	260.0	245.0
Davis	70.0	65.0	3.3	2.5	2.4	2.2	21.5	21.2
Des Moines	95.0	95.0	8.2	6.4	.7	.7	10.5	10.3
Henry	215.0	200.0	8.6	6.6	.5	.5	10.9	10.5
Jefferson	140.0	141.0	7.8	6.0	.8	.7	12.0	11.8
Keokuk	415.0	419.0	10.8	8.1	.9	.8	20.3	18.5
Lee	210.0	212.0	13.2	10.4	2.2	2.0	12.3	11.2
Louisa	115.0	116.0	7.6	5.7	.1	.1	6.0	5.9
Mahaska	425.0	429.0	33.5	24.8	1.8	1.7	14.7	14.4
Van Buren	100.0	90.0	3.7	2.9	.8	.8	19.6	18.9
Wapello	120.0	119.0	7.2	5.4	.7	.7	16.4	15.0
Washington	495.0	499.0	13.1	10.2	1.0	.9	15.8	15.3
S.E. District	2,400.0	2,385.0	117.0	89.0	11.9	11.1	160.0	153.0
State	22,651.0	22,286.0	2,493.0	1,924.0	358.0	345.0	1,417.0	1,305.0

*District data totals exceed state totals due to rounding to thousands of head.
r = revised figures.
Source: Iowa Crop and Livestock Reporting Service.

Grain-fed sheep and lambs, hens and pullets

County and District	Grain Fed Sheep and Lambs Marketed (000) 1983	1984e	Hens and Pullets of Laying Age (000) 1983	1984e
Buena Vista	7.4	8.9	60.0	50.0
Cherokee	3.3	4.0	8.0	7.0
Clay	8.1	9.7	143.0	90.0
Dickinson	3.3	4.0	265.0	300.0
Emmet	.8	1.0	44.0	38.0
Lyon	9.4	1.3	32.0	26.0
O'Brien	3.8	4.6	80.0	75.0
Osceola	28.0	17.8	66.0	66.0
Palo Alto	4.2	5.0	129.0	105.0
Plymouth	3.0	3.6	66.0	62.0
Pocahontas	4.8	5.8	120.0	96.0
Sioux	1.9	2.3	520.0	550.0
Northwest District	78.0	78.0	1,533.0	1,465.0
Butler	1.4	1.5	140.0	110.0
Cerro Gordo	2.0	2.1	119.0	162.0
Floyd	2.1	2.2	55.0	44.0
Franklin	8.2	8.6	240.0	175.0
Hancock	4.8	5.0	50.0	37.0
Humboldt	2.2	2.3	20.0	15.0
Kossuth	3.4	3.6	200.0	280.0
Mitchell	2.6	2.7	300.0	220.0
Winnebago	1.5	1.6	25.0	18.0
Worth	1.8	1.9	22.0	15.0
Wright	2.0	2.1	30.0	24.0
North Central District	32.0	33.6	1,201.0	1,100.0
Allamakee	.7	.8	29.0	24.0
Black Hawk	1.5	1.7	61.0	50.0
Bremer	1.9	2.3	50.0	40.0
Buchanan	2.2	2.6	66.0	50.0
Chickasaw	.7	.8	85.0	85.0
Clayton	1.9	2.2	100.0	90.0
Delaware	.7	.8	62.0	155.0
Dubuque	.9	1.1	40.0	36.0
Fayette	1.5	1.8	175.0	130.0
Howard	1.5	1.8	50.0	40.0
Winneshiek	2.5	2.9	130.0	125.0
Northeast District	16.0	18.8	848.0	825.0
Audubon	4.4	5.5	59.0	46.0
Calhoun	5.3	6.6	63.0	62.0
Carroll	1.2	1.5	13.0	10.0
Crawford	5.3	6.7	63.0	55.0
Greene	4.5	5.6	4.0	4.0
Guthrie	2.2	2.7	76.0	71.0
Harrison	1.2	1.5	9.0	9.0
Ida	2.3	2.9	11.0	10.0
Monona	1.7	2.1	7.0	7.0
Sac	4.0	5.0	173.0	150.0
Shelby	2.0	2.5	40.0	40.0
Woodbury	5.9	7.4	7.0	6.0
West Central District	47.0	50.0	525.0	470.0
Boone	3.0	3.6	200.0	166.0
Dallas	.9	1.1	125.0	110.0
Grundy	14.3	10.3	20.0	18.0
Hamilton	1.3	1.5	81.0	55.0
Hardin	1.2	1.4	122.0	121.0
Jasper	2.5	3.0	40.0	33.0
Marshall	2.0	2.4	41.0	33.0
Polk	1.6	1.9	6.0	6.0
Poweshiek	2.4	2.9	37.0	45.0
Story	3.4	4.0	78.0	69.0
Tama	2.2	2.6	77.0	75.0
Webster	.7	.8	1,025.0	1,001.0
Central District	35.5	35.5	1,852.0	1,724.0
Benton	2.5	2.7	27.0	25.0
Cedar	5.1	5.6	28.0	25.0
Clinton	1.5	1.7	38.0	38.0
Iowa	3.8	4.2	16.0	13.0
Jackson	.9	1.0	68.0	57.0
Johnson	14.7	16.2	100.0	85.0
Jones	1.7	1.9	11.0	9.0
Linn	2.1	2.3	35.0	29.0
Muscatine	1.5	1.6	9.0	8.0
Scott	1.2	1.3	62.0	61.0
East Central District	35.0	38.5	394.0	350.0
Adair	5.5	6.2	9.0	8.0
Adams	1.8	2.0	4.4	4.0
Cass	6.6	7.4	6.1	5.5
Fremont	.4	.5	1.9	1.5
Mills	.7	.8	2.3	2.0
Montgomery	2.5	2.8	6.2	5.0
Page	1.2	1.3	6.1	6.0
Pottawattamie	2.5	2.8	35.0	28.0
Taylor	3.8	4.2	33.0	30.0
Southwest District	25.0	28.0	104.0	90.0
Appanoose	4.0	5.0	2.0	1.8
Clarke	1.0	1.3	3.3	3.0
Decatur	1.3	1.6	2.3	2.1
Lucas	5.2	6.5	43.0	41.0
Madison	2.4	3.0	18.0	17.0
Marion	6.5	8.1	92.0	80.0
Monroe	3.9	4.9	13.0	12.0
Ringgold	1.6	2.0	9.1	8.5
Union	1.3	1.6	1.6	1.5
Warren	1.4	1.8	76.0	66.0
Wayne	2.4	3.0	7.7	7.1
South Central District	31.0	38.8	268.0	240.0
Davis	8.5	8.7	93.0	92.0
Des Moines	1.2	1.2	21.0	17.0
Henry	6.1	6.2	60.0	56.0
Jefferson	3.5	3.6	5.5	4.4
Keokuk	9.3	9.6	65.0	54.0
Lee	2.9	3.0	7.0	5.6
Louisa	.9	.9	2.5	2.0
Mahaska	2.1	2.2	158.0	141.0
Van Buren	2.4	2.5	5.0	5.0
Wapello	1.4	1.5	100.0	99.0
Washington	5.2	5.4	358.0	360.0
Southeast District	43.5	44.8	875.0	836.0
State	336.0	366.0	7,600.0	7,100.0

r = Revised.
e = Estimates.
Source: Iowa Crop and Livestock Reporting Service.

Climate

Iowa's four distinct seasons provide a climate that is classified as humid continental. Temperatures vary through a wide range, arriving at an annual average of 49 degrees. A typical year brings 166 days of sunshine, 100 partly cloudy days and 99 cloudy days. Since much of the average 32 inches of rainfall comes during the growing season, Iowa's climate is ideal for agriculture. Winter snowfall averages 30 inches, and relative humidity averages 72 percent.

Clean air and clean water have been maintained in abundance in the state, with enforcement of pollution laws assuring their existence in the future.

Located between the Upper Mississippi and the Missouri Rivers, the State of Iowa comprises 56,000 square miles with an extreme north-south distance of 205 miles and an extreme east-west distance of 310 miles. Primarily rolling prairie, elevation changes are small across the State, varying from 1670 feet in Osceola County in the northwest to 480 feet at the mouth of the Des Moines River in the southeast. Some rugged terrain, mainly of forest soils, may be found in the northeast, yet most of the state's natural lakes are located in the northwest.

Source: U.S. Department of Commerce, Environmental Science Services Administration, Climates of the States—Iowa.

Mean temperature and total precipitation

Mean Average Temperature

City	Dec. Jan. Feb.	Mar. Apr. May	June July Aug.	Sept. Oct. Nov.
Burlington	26.9	50.0	74.4	53.6
Carroll	22.9	47.8	72.9	51.4
Cedar Rapids	24.3	48.3	72.7	51.9
Council Bluffs	27.3	48.9	73.2	52.1
Creston	25.4	49.0	73.5	52.5
Davenport	26.4	49.1	74.5	54.0
Decorah	20.4	45.7	71.5	49.6
Des Moines	23.5	49.4	75.0	52.7
Dubuque	23.9	47.7	72.2	52.0
Fort Dodge	21.8	47.1	72.4	50.8
Mason City	19.3	45.0	70.8	48.9
Ottumwa	27.0	50.7	75.0	52.5
Rock Rapids	19.5	45.9	71.8	49.0
Sioux City	22.0	47.8	74.6	51.9
Spencer	19.1	45.4	71.4	48.9
Waterloo	20.8	46.4	71.9	49.8
State of IOWA	21.3	48.1	72.9	51.8

Source: U.S. Department of Commerce, Weather Bureau, Climatic Summary of the United States—Iowa.

Mean Average Precipitation

City	Dec. Jan. Feb.	Mar. Apr. May	June July Aug.	Sept. Oct. Nov.
Burlington	1.54	3.39	4.01	2.59
Carroll	.98	2.30	4.01	1.97
Cedar Rapids	1.30	3.97	3.90	2.77
Council Bluffs	.85	2.98	4.86	1.90
Creston	.92	2.84	4.00	2.39
Davenport	1.53	3.15	3.87	2.74
Decorah	1.08	2.93	4.12	2.64
Des Moines	1.18	2.90	3.81	2.22
Dubuque	1.71	3.35	3.82	3.02
Fort Dodge	1.03	2.74	4.09	2.21
Mason City	.88	2.64	4.27	2.22
Ottumwa	1.31	3.14	4.19	2.51
Rock Rapids	.69	2.55	3.85	1.78
Sioux City	.80	2.31	3.37	1.77
Spencer	.82	2.55	3.99	1.95
Waterloo	1.07	2.83	4.01	2.58
State of IOWA	1.00	2.91	4.10	2.03

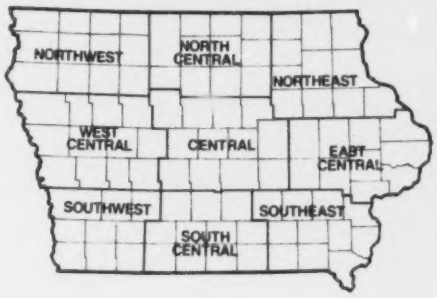
Source: U.S. Department of Commerce, Environmental Science Services Administration, "Climates of the States—Iowa."

Wind chill table

	AIR TEMPERATURE (°F)																
	35	30	25	20	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
WIND SPEED MPH	WIND CHILL INDEX (EQUIVALENT TEMPERATURE) — Equivalent in cooling power on exposed flesh																
4	35	30	25	20	15	10	5	0	-5	-10	-15	-20	-25	-30	-35	-40	-45
5	33	27	21	16	12	7	1	-6	-11	-15	-20	-26	-31	-35	-41	-47	-54
	COLD																
10	21	16	9	2	-2	-9	-15	-22	-27	-31	-38	-45	-52	-58	-64	-70	-77
	VERY COLD																
15	16	11	1	-6	-11	-18	-25	-33	-40	-45	-51	-60	-65	-70	-78	-85	-90
	BITTERLY COLD																
20	12	3	-4	-9	-17	-24	-32	-40	-46	-52	-60	-68	-76	-81	-88	-96	-103
25	7	0	-7	-15	-22	-29	-37	-45	-52	-58	-67	-75	-83	-89	-96	-104	-112
	EXTREME COLD																
30	5	-2	-11	-18	-26	-33	-41	-49	-56	-63	-70	-78	-87	-94	-101	-109	-117
35	3	-4	-13	-20	-27	-35	-43	-52	-60	-67	-72	-83	-90	-98	-105	-113	-123
40	1	-4	-15	-22	-29	-36	-45	-54	-62	-69	-76	-87	-94	-101	-107	-116	-128
45	1	-6	-17	-24	-31	-38	-46	-54	-63	-70	-78	-87	-94	-101	-108	-118	-128
50	0	-7	-17	-24	-31	-38	-47	-56	-63	-70	-79	-88	-96	-103	-110	-120	-128

Wind speeds greater than 40 mph have little additional chilling effect.
Source: "Winds Over Iowa", Iowa Department of Agriculture, State Climatology Office.

Climate, annual averages



(1931-1980)

PRECIPITATION	J	F	M	A	M	J	J	A	S	O	N	D	Annual
Northwest	.64	.89	1.65	2.33	4.42	3.59	3.51	3.67	3.05	1.74	1.15	.81	27.45
North Central	.95	.94	1.96	2.64	3.93	4.80	3.85	3.99	3.44	2.06	1.57	1.03	31.16
Northeast	1.08	.99	2.13	2.97	3.92	4.68	4.04	3.89	3.68	2.25	1.83	1.23	32.69
West Central	.87	.96	1.84	2.63	3.87	4.60	3.51	3.76	3.14	1.98	1.33	.85	29.34
Central	1.06	1.02	2.07	2.91	4.10	4.92	3.71	3.90	3.40	2.21	1.68	1.10	32.08
East Central	1.36	1.07	2.30	3.27	3.90	4.59	3.80	3.73	3.68	2.40	2.06	1.55	33.71
Southwest	.91	.96	2.03	2.87	4.04	4.89	3.68	4.40	3.74	2.37	1.57	.96	32.42
South Central	1.17	1.01	2.22	3.23	3.97	4.85	3.48	4.19	3.85	2.45	1.85	1.22	33.49
Southeast	1.45	1.11	2.47	3.46	3.91	4.60	3.83	3.90	3.76	2.60	1.98	1.61	34.68

TOTAL SNOWFALL (Inches)

	J	F	M	A	M	J	J	A	S	O	N	D	ANNUAL
Northwest	5.7	7.8	8.8	1.6	0.2	0	0	0	T	0.3	3.9	6.6	34.7
North Central	7.0	7.4	10.6	1.4	0.1	0	0	0	0.1	T	3.5	7.9	38.0
Northeast	7.7	6.2	9.4	0.8	0.1	0	0	0	T	T	2.5	8.2	34.9
West Central	6.8	6.4	8.6	1.3	0.2	0	0	0	T	0.2	3.1	5.9	32.5
Central	6.9	6.6	8.2	0.8	0.1	0	0	0	T	0.1	2.1	6.5	31.3
East Central	7.3	6.0	7.3	0.7	T	0	0	0	T	0.1	1.4	7.4	30.2
Southwest	6.0	5.5	6.7	0.9	0.1	0	0	0	T	0.1	2.0	5.5	26.8
South Central	7.0	5.2	6.6	0.7	T	0	0	0	T	0.1	1.5	6.2	27.3
Southeast	7.1	5.2	6.2	0.4	T	0	0	0	T	0.1	1.2	6.4	26.6

TEMPERATURE (F degrees)	J	F	M	A	M	J	J	A	S	O	N	D	Annual
Northwest	15.2	20.3	31.7	47.3	59.5	69.1	73.9	71.6	62.5	51.3	34.4	21.6	46.5
North Central	15.2	20.0	31.4	47.0	59.3	69.0	73.3	70.9	62.3	51.4	34.7	21.4	46.3
Northeast	16.6	21.0	32.2	47.2	58.9	68.6	72.9	70.7	62.3	51.4	35.6	22.5	46.7
West Central	18.7	23.7	34.7	49.7	61.2	70.6	75.4	73.0	64.3	53.4	37.0	24.8	48.9
Central	18.6	23.3	34.4	49.2	60.8	70.2	74.7	72.3	64.0	53.2	38.3	26.0	49.3
East Central	20.4	24.7	35.5	49.6	61.0	70.5	74.7	72.6	64.6	53.7	38.3	26.0	49.3
Southwest	21.7	26.8	37.5	51.6	62.3	71.7	76.6	74.2	65.8	55.0	39.2	27.6	50.8
South Central	21.9	26.6	37.1	51.1	61.9	71.2	76.1	73.8	65.6	55.0	39.4	27.6	50.6
Southeast	22.9	27.3	37.9	51.6	62.5	72.0	76.4	74.2	66.3	55.5	40.3	28.3	51.3

MEAN DEGREES DAYS	J	F	M	A	M	J	J	A	S	O	N	D	Annual
Northwest	1,590	1,251	1,058	534	229	49	12	21	155	451	917	1,363	7,630
North Central	1,592	1,257	1,062	541	229	47	15	24	146	445	906	1,363	7,627
Northeast	1,551	1,236	1,034	535	240	51	15	25	145	446	884	1,326	7,488
West Central	1,479	1,153	959	461	187	34	10	17	121	393	841	1,258	6,913
Central	1,489	1,174	974	478	198	41	8	19	122	406	838	1,269	7,016
East Central	1,432	1,132	929	455	188	29	4	11	94	376	795	1,218	6,663
Southwest	1,380	1,068	870	403	163	26	10	12	94	350	774	1,172	6,322
South Central	1,382	1,078	882	414	169	30	8	13	96	351	766	1,171	6,360
Southeast	1,358	1,062	862	398	161	23	3	10	75	334	740	1,146	6,172
State	1,479	1,163	965	473	198	37	10	17	119	398	834	1,260	6,953

T=Trace.

Source: Iowa Department of Agriculture, State Climatology Office.

Communications media

	1960	1965	1970	1980[2]	1982	1983	1984
Telephones in use[1]							
Business	243,406	284,000	381,747	143,503	N/A	N/A	N/A
Residential	892,627	1,044,000	1,242,500	1,032,570	N/A	N/A	N/A
Total	1,136,033	1,328,000	1,624,247	1,176,073	1,272,187	1,267,419	1,252,861
Newspapers[3]							
Daily—Number	45	43	43	42	41	43	42
Net paid circulation	944,000	969,000	1,000,000	934,390	924,363	1,064,419	989,291
Sunday—Number	9	9	9	9	9	9	9
Net paid circulation	831,000	857,000	845,000	745,039	747,256	745,343	790,666
Weeklies—Number	368	356	346	339	335	336	329
Net paid circulation	649,832	674,739	688,389	780,663	759,340	755,934	671,378
Commercial broadcast[4]							
Stations—Total	80	94	120	196	196	182	196
Radio—Total	68	82	108	174	174	168	173
A.M.	61	68	73	85	84	79	81
F.M.	7	14	35	89	90	89	92
Television	12	12	12	15	15	14	16
Satellite T.V. Stations				7	7	7	7

Non-Commercial broadcast[4]	1983	1984
Stations	13	14
Radio	12	13
AM	4	4
FM	8	9
Television	1	1

Cable T.V.[5]	1983	1984
Systems	197	236
Communities Served	285	312
Subscriptions	370,000	403,000

[1]Iowa Commerce Commission.
[2]Since private ownership of telephones began, only the number of primary access lines is available. A primary access line is a telephone line with an associated phone number.
[3]Iowa Press Association.
[4]Iowa Broadcasters Association Directory.
[5]Television Digest.
N/A = Not Available.

Iowa's construction industry, 1983

SIC Code	Industry Description	Number of Establishments	Number of Employees	Annual Payroll ($1,000)
	CONSTRUCTION INDUSTRIES, TOTAL	6,313	30,794	618,210
15	General contractors and operative builders	1,748	8,777	166,129
151	General building contractors	1,086	7,356	146,868
153	Operative builders	85	388	7,611
16	Heavy construction contractors	654	D	D
161	Highway and street construction	146	1,461	59,445
162	Heavy construction, except highway	504	D	D
17	Special trade contractors	3,908	17,737	327,957
171	Plumbing, heating, air conditioning	913	4,571	81,252
172	Painting, paper hanging, decorating	284	766	12,754
173	Electrical work	556	2,855	54,212
174	Masonry, stonework, plastering	411	2,038	34,283
1741	Masonry and other stonework	242	839	14,328
1742	Plastering, drywall and insulation	146	1,128	18,857
1743	Terrazzo, tile, marble mosaic work	19	67	1,053
175	Carpentering and flooring	498	1,312	16,669
1751	Carpentering	405	1,032	12,568
1752	Floor laying and floor work N.E.C.	85	270	4,005
176	Roofing and sheet metal work	270	2,580	55,122
177	Concrete work	273	1,003	23,697
178	Water well drilling	54	180	2,770
179	Miscellaneous special trade contractors	553	2,264	44,634
1791	Structural steel erection	35	275	5,386
1793	Glass and glazing work	26	184	3,480
1794	Excavating and foundation work	259	905	19,034
1796	Installing building equipment, N.E.C.	47	378	8,778
3799	Special trade contractors, N.E.C.	156	450	6,838

D: Figures withheld to avoid disclosure of individual establishments.
NEC: Not elsewhere classified.
Source: County Business Patterns, 1983. Bureau of the Census, U.S. Department of Commerce.

Value of new construction (thousands)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Yearly Totals
1985	$ 86,338	$ 86,295	$110,574	$155,911	$204,575	$158,858	$159,482	$138,661	$ 97,681	N/A	N/A	N/A	N/A
1984	47,294	117,859	158,235	165,819	198,095	171,231	163,300	175,055	120,621	109,981	118,755	82,499	1,667,430
1983	54,900	62,100	101,200	173,700	157,900	177,900	180,700	158,800	153,800	148,500	106,800	59,800	1,532,700
1982	210,500	58,500	77,600	121,800	126,000	150,400	114,400	92,700	$106,000	$109,800	$ 91,900	$ 47,300	$1,264,200
1981	80,300	48,400	104,300	126,200	154,500	150,000	135,000	108,400	$156,400	$ 79,400	$ 77,800	$128,000	$1,258,100
1980	123,900	56,600	106,700	136,800	200,100	145,800	163,600	131,200	147,000	144,900	119,100	122,800	1,558,100
1979	73,236	53,183	147,467	147,606	287,279	214,837	158,720	176,380	158,786	193,241	106,364	663,684	2,387,317
1978	59,801	76,899	414,733	161,298	316,356	238,580	205,105	174,592	173,965	182,131	139,023	75,598	2,219,229
1975	35,490	38,213	57,082	94,270	124,380	364,167	105,512	95,145	107,006	112,444	63,153	54,608	1,252,180
1970	37,895	62,098	43,835	48,426	74,185	84,441	92,815	67,216	55,985	59,911	41,753	41,039	709,679

N/A = Not Available.
Source: F. W. Dodge Division, McGraw-Hill Information Systems Company, Proprietary Data provided by special permission.

Value of new residential construction (thousands)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Yearly Totals
1985	$27,500	$22,100	$34,200	$39,400	$49,400	$48,800	$54,600	$46,900	$38,400	N/A	N/A	N/A	N/A
1984	15,500	26,200	47,600	66,000	71,800	70,000	63,300	60,500	N/A	52,700	51,800	19,900	590,400
1983	13,000	20,400	41,600	62,900	65,800	69,000	59,700	73,400	88,600	57,100	43,300	20,900	613,800
1982	12,500	12,300	21,600	34,400	49,600	60,500	54,400	42,700	42,900	43,700	45,100	17,200	432,300
1980	21,700	17,200	34,400	28,300	39,700	46,100	60,800	74,300	54,000	80,700	76,100	40,600	552,400

N/A = Not available.
Source: F. W. Dodge Division, McGraw-Hill Information System Company, Proprietary Data provided by special permission.

New residential construction

	1975		1980		1982		1983		1984	
Iowa SMSA's	Number	Value (000)	Number	Value (000)	Number	Value (000)	Number	Value (000)	Number	Value (000)
Cedar Rapids	1,318	$22,636	822	$21,923	121	$ 4,213	160	$ 6,364	252	$ 11,159
Davenport	2,487	54,780	1,591	55,970	956	33,002	759	36,398	653	34,305
Des Moines	2,353	62,369	1,262	47,683	872	35,769	1,204	65,379	2,459	98,848
Dubuque	434	62,369	1,262	47,683	872	35,769	1,204	65,379	129	7,166
Iowa City	N/A	N/A	437	19,699	891	27,377	1,669	52,178	740	30,131
Omaha-Council Bluffs	2,711	42,061	2,839	59,287	2,088	54,237	2,945	102,369	3,315	142,733
Sioux City	927	16,862	213	6,471	123	3,618	181	6,561	285	7,767
Waterloo	1,114	23,071	747	23,100	187	6,674	221	8,623	67	3,713

Source: Construction Reports—Housing Authorized by Building Permits and Public Contracts, U.S. Department of Commerce, Bureau of the Census.

Number and valuation of permits issued for new dwellings

City	1980 Number	1980 Value (000)	1983 Number	1983 Value (000)	1984 Number	1984 Value (000)	Jan. 1985-Sept. 1985 Number	Jan. 1985-Sept. 1985 Value (000)
Ames	60	$ 5,204.1	79	$ 7,164.0	89	$ 6,719.4	32	$ 2,668.6
Ankeny	N/A	N/A	N/A	N/A	42	3,746.6	41	4,034.7
Bettendorf	66	6,439.5	91	7,992.6	93	8,871.7	71	6,075.8
Boone	N/A	N/A	N/A	N/A	8	588.0	1	58.8
Burlington	28	1,951.2	19	1,791.3	12	1,226.8	8	434.8
Carroll	N/A	N/A	N/A	N/A	28	2,182.2	9	754.4
Cedar Falls	81	6,493.8	32	1,693.3	20	1,578.6	4	316.3
Cedar Rapids	167	7,607.0	63	2,110.9	95	5,337.0	84	5,023.6
Clinton	46	3,225.5	14	1,189.5	8	345.0	11	1,006.0
Council Bluffs	70	2,175.3	42	2,854.5	86	6,930.2	55	4,996.5
Davenport	207	12,388.3	166	8,654.9	161	9,074.7	71	7,753.3
Decorah	N/A	N/A	N/A	N/A	23	1,878.3	9	967.0
Des Moines	428	16,124.0	119	12,363.3	151	26,871.3	112	10,281.8
Dubuque	75	3,961.0	13	1,192.4	28	2,221.6	19	1,481.2
Fairfield	N/A	N/A	N/A	N/A	38	6,937.9	17	1,992.0
Ft. Dodge	41	4,305.0	11	1,209.3	29	5,070.5	12	994.0
Ft. Madison	N/A	N/A	N/A	N/A	4	1,674.0	18	871.4
Indianola	N/A	N/A	N/A	N/A	14	1,746.5	12	1,159.9
Iowa City	100	10,456.7	282	31,977.0	190	17,023.1	49	5,610.7
Keokuk	61	3,772.9	12	421.0	18	740.0	7	267.0
Marion	114	6,223.4	23	925.7	31	1,378.9	39	1,828.7
Marshalltown	18	1,093.0	30	2,089.0	11	753.0	5	247.5
Mason City	47	7,036.9	48	3,378.3	52	4,396.0	39	2,885.1
Mount Pleasant	N/A	N/A	N/A	N/A	25	1,709.1	18	755.0
Muscatine	43	7,113.8	53	6,261.2	24	1,119.0	11	522.7
Newton	20	3,760.0	4	307.0	9	374.3	14	851.1
Oskaloosa	N/A	N/A	N/A	N/A	24	1,338.5	5	285.5
Ottumwa	47	4,804.7	12	520.0	22	510.6	7	357.6
Sioux City	83	1,982.1	80	2,340.1	81	4,364.9	36	1,150.6
Spencer	N/A	N/A	N/A	N/A	8	557.0	2	82.0
Urbandale[1]	127	8,329.6	145	7,145.3	324	21,301.7	198	12,477.2
Waterloo	294	13,721.1	52	3,065.8	19	1,267.7	3	106.8
West Des Moines	68	6,436.7	182	16,486.6	250	35,652.0	259	29,525.5
TOTAL	2,291	144,605.6	1,572	123,133.0	2,017	185,486.1	1,278	107,823.1

Source: Iowa Development Commission.

New residential construction, authorized permit issuing places

	1975 Number	1975 Value (000)	1980 Number	1980 Value (000)	1982 Number	1982 Value (000)	1983 Number	1983 Value (000)	1984 Number	1984 Value (000)
United States	39,325	$1,084,862	1,207,174	$47,156,286	1,006,768	$40,491,734	1,605,221	$69,277,521	1,686,376	$77,661,311
Illinois	949,234	24,107,069	26,659	1,086,542	18,980	909,727	29,836	1,610,252	30,180	1,716,762
IOWA	14,706	331,981	8,917	311,937	5,416	195,664	6,999	284,825	7,198	295,314
Kansas	19,162	547,831	10,930	434,527	8,628	350,008	14,168	663,603	16,727	716,454
Minnesota	3,103	66,283	21,741	974,133	18,955	909,185	24,810	1,321,444	26,698	1,456,444
1Missouri	7,927	163,970	13,736	458,743	11,544	436,208	18,687	806,981	25,017	1,018,073
Nebraska	12,106	323,686	6,906	207,765	3,851	127,666	5,465	217,215	5,786	254,373
South Dakota	16,135	401,616	3,100	97,473	1,220	41,758	2,489	94,053	3,221	110,381
Wisconsin	26,002	635,564	18,510	689,816	12,312	481,239	16,962	758,845	17,771	802,148

Source: Construction Reports — Housing Units Authorized by Building Permits and Public Contracts, U.S. Department of Commerce, Bureau of the Census.

Housing units, 1980

	Iowa	Minnesota	Missouri	Nebraska	South Dakota	Wisconsin
All Housing Units	1,121,199	1,612,960	1,988,915	624,829	276,997	1,863,897
Vacant — Seasonal and Migratory	68,166	167,738	195,516	53,429	34,474	211,636
All Year-Round Housing	1,053,033	1,445,222	1,793,399	571,400	242,523	1,652,261
Percent in One-Unit Structures	80.4	73.7	77.4	79.7	74.2	75.4
Number of Home Owners	756,517	1,035,689	1,248,785	390,931	168,002	1,127,367
Median Value of Owner's Homes $	40,600	53,100	36,700	38,000	36,600	48,600
Median Contract Rent $	175	212	153	170	148	185
Vacancy Rate — Homeowners	1.6	1.5	2.0	2.0	2.1	1.3
Vacancy Rate — Rental	7.3	5.8	9.0	7.9	10.1	5.0

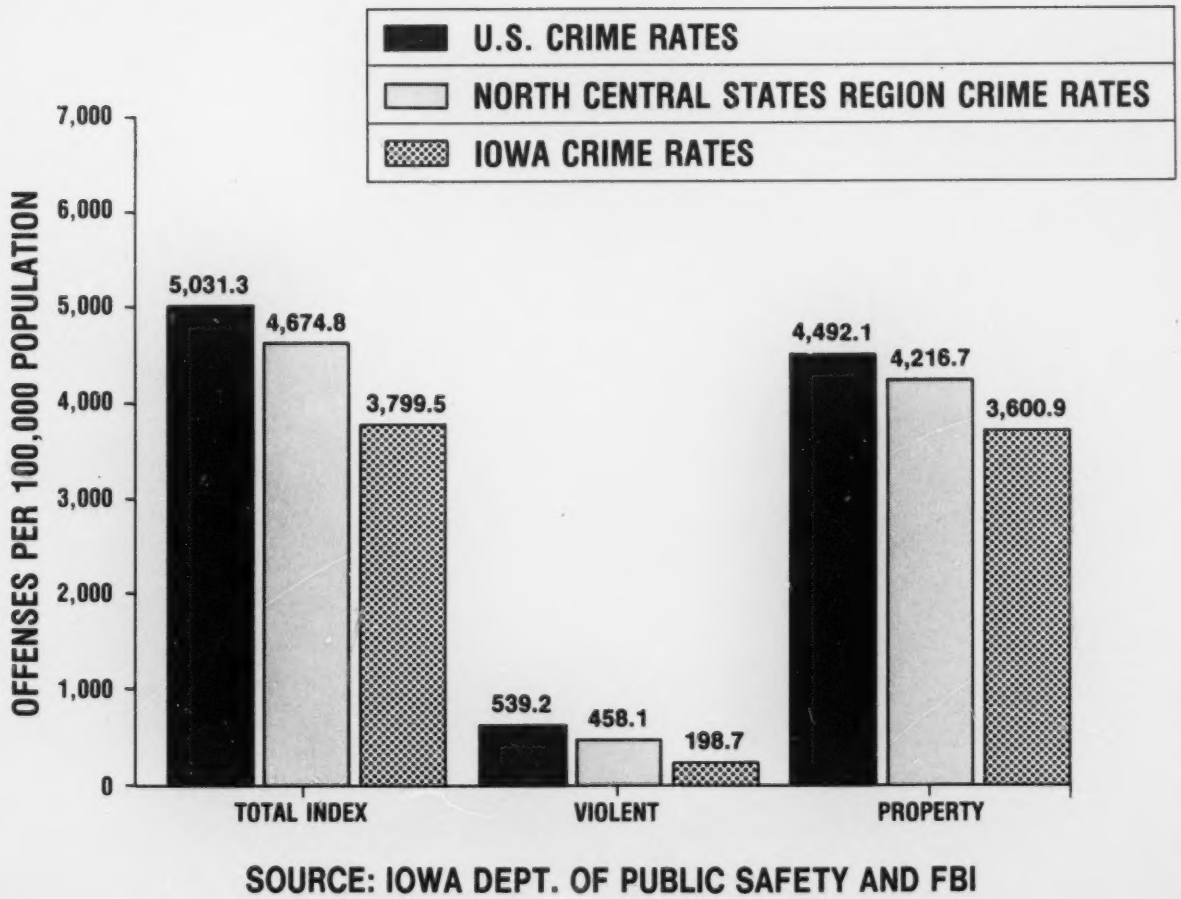
Source: 1980 General Housing Characteristics, U.S. Department of Commerce, Bureau of the Census.

Crime rates[1], 1984

State	Index Rate	Violent Crime Rate	Property Crime Rate
United States	5,031.3	539.2	4,492.1
Illinois	5,304.2	724.9	4,579.3
Indiana	3,929.4	305.2	3,624.2
IOWA	3,799.5	198.7	3,600.9
Kansas	4,339.3	334.2	4,005.2
Minnesota	3,841.5	211.5	3,630.0
Missouri	4,297.0	460.7	3,836.3
Nebraska	3,496.5	225.8	3,270.6
Ohio	4,273.1	385.3	3,887.8
South Dakota	2,612.5	147.5	2,465.0
Wisconsin	4,172.3	196.5	3,975.7

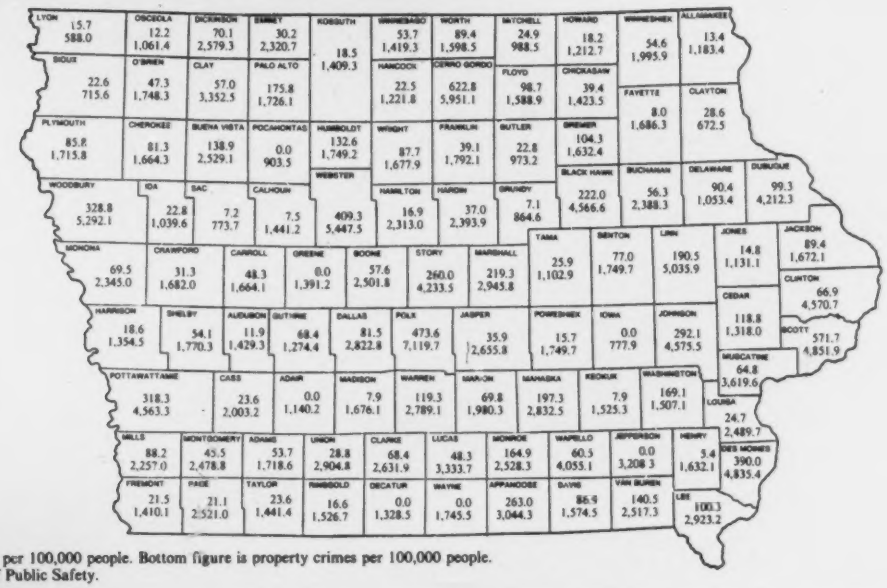
[1]Reported offenses per 100,000 population.
Source: Crime in the United States, Uniform Crime Reports, U.S. Department of Justice, Federal Bureau of Investigation.

Comparison of crime rates, U.S., region and Iowa, 1984



SOURCE: IOWA DEPT. OF PUBLIC SAFETY AND FBI

Incidence of crime[1], 1984



[1]Top figure is violent crimes per 100,000 people. Bottom figure is property crimes per 100,000 people.
Source: Iowa Department of Public Safety.

Total crimes reported, 1983-84

County	Total Crimes 1983	Total Crimes 1984	Violent Crimes 1983	Violent Crimes 1984	Property Crimes 1983	Property Crimes 1984
Adair	75	106	2	0	73	106
Adams	99	99	3	3	98	96
Allamakee	183	179	2	2	181	177
Appanoose	562	503	22	40	540	463
Audubon	99	121	3	1	96	120
Benton	495	427	25	18	470	409
Black Hawk	7,246	6,623	298	307	6,948	6,316
Boone	641	667	11	15	630	652
Bremer	528	433	20	26	508	407
Buchanan	500	564	12	13	488	551
Buena Vista	483	557	18	29	465	528
Butler	178	175	4	4	174	171
Calhoun	172	193	1	1	171	192
Carroll	305	390	14	11	291	379
Cass	318	344	13	4	305	340
Cedar	213	266	3	22	210	244
Cerro Gordo	3,130	3,177	215	301	2,915	2,876
Cherokee	184	279	3	13	181	266
Chickasaw	198	223	2	6	196	217
Clarke	230	237	2	6	228	231
Clay	668	658	5	11	663	647
Clayton	149	147	7	6	142	141
Clinton	2,968	2,634	48	38	2,920	2,596
Crawford	413	328	5	6	408	322
Dallas	831	855	11	24	820	831
Davis	93	153	4	8	89	145
Decatur	88	127	3	0	85	127
Delaware	295	215	23	17	272	198
Des Moines	2,409	2,385	150	178	2,259	2,207
Dickinson	374	416	8	11	366	405
Dubuque	3,969	3,996	74	92	3,895	3,904
Emmet	339	311	3	4	336	307
Fayette	415	426	1	2	414	424
Floyd	409	325	21	19	388	306
Franklin	243	234	3	5	240	229
Fremont	158	133	6	2	152	131
Greene	191	166	2	0	189	166
Grundy	181	123	1	1	180	122
Guthrie	165	157	6	8	159	149
Hamilton	483	413	13	3	470	410
Hancock	142	166	3	3	139	163
Hardin	504	526	14	8	490	518
Harrison	238	222	9	3	229	219
Henry	259	306	6	1	253	305
Howard	138	135	7	2	131	133
Humboldt	191	227	2	16	189	211
Ida	105	93	5	2	100	91
Iowa	124	119	1	0	123	119
Jackson	437	394	5	20	432	374
Jasper	1,051	974	19	13	1,032	961
Jefferson	537	525	4	0	533	525
Johnson	4,383	4,083	232	245	4,151	3,838
Jones	292	233	4	3	288	230
Keokuk	173	194	2	1	171	193
Kossuth	281	308	5	4	276	304
Lee	1,469	1,296	33	43	1,436	1,253
Linn	9,700	8,834	317	322	9,383	8,512
Louisa	388	306	10	3	378	303
Lucas	336	350	13	5	323	345
Lyon	80	77	3	2	77	75
Madison	181	212	2	1	179	211
Mahaska	879	691	78	45	801	646
Marion	590	617	21	21	569	596
Marshall	1,439	1,328	98	92	1,341	1,236
Mills	367	319	20	12	347	307
Mitchell	122	122	3	3	119	119
Monona	273	278	12	8	261	270
Monroe	262	245	7	15	255	230
Montgomery	275	333	1	6	274	327
Muscatine	1,477	1,536	15	27	1,462	1,509
O'Brien	289	304	3	8	286	296
Osceola	119	88	4	1	115	87
Page	450	481	15	4	435	477
Palo Alto	256	238	9	22	247	216
Plymouth	314	441	7	21	307	420
Pocahontas	112	100	0	0	112	100
Polk	23,724	23,282	1,272	1,452	22,002	21,830
Pottawattamie	4,566	4,248	331	277	4,235	3,971
Poweshiek	346	337	10	3	336	334
Ringgold	116	93	1	1	115	92
Sac	135	108	1	1	134	107
Scott	9,640	8,757	925	923	8,715	7,834
Shelby	222	270	18	8	204	262
Sioux	241	229	4	7	237	222
Story	3,459	3,266	178	189	3,281	3,077
Tama	300	218	7	5	293	213
Taylor	126	124	0	2	126	122
Union	373	408	10	4	363	404
Van Buren	183	227	8	12	175	215
Wapello	1,811	1,632	18	24	1,793	1,608
Warren	887	1,024	28	42	859	982
Washington	378	337	9	34	369	303
Wayne	165	141	0	0	165	141
Webster	1,992	2,647	107	185	1,885	2,462
Winnebago	190	192	8	7	182	185
Winneshiek	419	451	18	12	401	439
Woodbury	5,714	5,675	242	332	5,472	5,343
Worth	207	151	3	8	204	143
Wright	109	282	4	14	105	268
Total	113,854	110,565	5,262	5,781	108,592	104,784

Source: Iowa Department of Public Safety.

Crimes reported, 1984

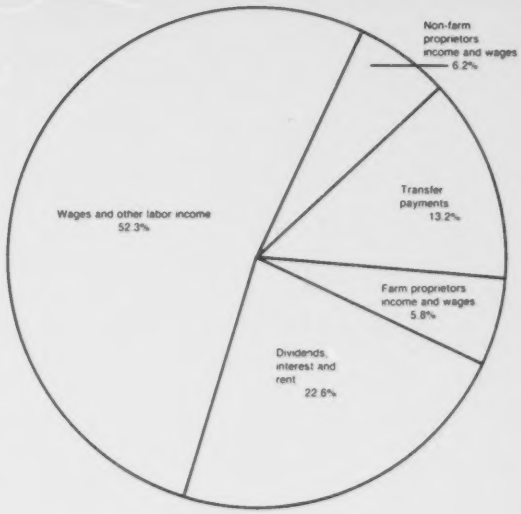
County	Violent Crimes				Property Crimes		
	Murder	Rape	Robbery	Aggravated Assault	Burglary	Larceny	Motor Vehicle Theft
Adair	0	0	0	0	44	60	2
Adams	1	0	1	1	23	69	4
Allamakee	0	0	0	2	58	113	6
Appanoose	1	0	0	39	124	329	10
Audubon	0	0	0	1	26	91	3
Benton	0	7	0	11	161	225	23
Black Hawk	0	25	121	161	1,590	4,534	192
Boone	1	1	3	10	147	483	22
Bremer	0	1	0	25	91	302	14
Buchanan	0	1	2	10	209	317	25
Buena Vista	0	3	0	26	88	418	22
Butler	0	0	0	4	54	102	15
Calhoun	0	0	0	1	43	143	6
Carroll	0	0	1	10	69	300	10
Cass	1	1	0	2	70	256	14
Cedar	1	2	0	19	68	161	15
Cerro Gordo	2	10	11	278	583	2,139	154
Cherokee	0	3	0	10	49	208	9
Chickasaw	0	0	0	6	70	133	14
Clarke	0	0	2	4	42	179	10
Clay	0	0	1	10	118	519	10
Clayton	0	0	1	5	24	113	4
Clinton	0	4	8	26	461	1,997	138
Crawford	0	3	0	3	61	252	9
Dallas	1	0	2	21	230	559	42
Davis	1	0	1	6	63	79	3
Decatur	0	0	0	0	60	61	6
Delaware	0	5	1	11	32	161	5
Des Moines	0	10	14	154	441	1,673	93
Dickinson	0	0	0	11	70	322	13
Dubuque	1	8	17	66	962	2,731	211
Emmet	0	0	0	4	71	231	5
Fayette	0	0	0	2	96	304	24
Floyd	0	0	0	19	41	249	16
Franklin	0	1	0	4	47	174	8
Fremont	1	0	0	1	31	96	4
Greene	0	0	0	0	43	117	6
Grundy	0	0	0	1	40	76	6
Guthrie	0	0	0	8	40	106	3
Hamilton	0	2	0	1	71	313	26
Hancock	0	0	0	3	25	132	6
Hardin	0	1	0	7	79	418	21
Harrison	0	0	0	3	43	168	8
Henry	0	0	1	0	58	233	14
Howard	0	0	0	2	33	96	4
Humboldt	0	0	1	15	46	152	13
Ida	0	0	0	2	12	75	4
Iowa	0	0	0	0	18	94	7
Jackson	1	1	2	16	87	275	12
Jasper	1	0	2	10	231	681	49
Jefferson	0	0	0	0	85	422	18
Johnson	1	32	18	194	769	2,924	145
Jones	0	0	0	3	56	163	11
Keokuk	0	0	0	1	65	119	9
Kossuth	0	1	0	3	35	263	6
Lee	2	4	6	31	298	892	63
Linn	6	20	90	206	2,005	6,129	378
Louisa	0	1	1	1	93	200	10
Lucas	1	0	0	4	86	228	31
Lyon	0	1	0	1	25	48	2
Madison	0	0	0	1	83	110	18
Mahaska	0	0	3	42	166	460	20
Marion	0	0	1	20	147	425	24
Marshall	1	3	10	78	371	821	44
Mills	0	0	1	11	67	231	9
Mitchell	0	0	0	3	9	107	3
Monona	0	1	1	6	97	159	14
Monroe	1	0	0	14	72	149	9
Montgomery	0	1	1	4	52	262	13
Muscatine	0	2	9	16	285	1,152	72
O'Brien	0	0	0	8	115	174	7
Osceola	0	0	0	1	13	73	1
Page	0	0	1	3	120	248	9
Palo Alto	0	0	0	22	68	143	5
Plymouth	0	3	0	18	102	293	25
Pocahontas	0	0	0	0	28	68	4
Polk	18	92	458	884	4,914	15,859	1,057
Pottawattamie	3	22	41	211	1,103	2,585	283
Poweshiek	0	0	1	2	77	246	11
Ringgold	0	0	1	0	84	3	5
Sac	0	0	0	1	22	85	0
Scott	7	59	166	691	2,227	5,389	218
Shelby	0	0	0	8	59	195	8
Sioux	0	1	0	6	49	162	11
Story	0	13	14	162	473	2,505	99
Tama	0	0	1	4	57	153	3
Taylor	1	0	0	1	33	88	1
Union	0	5	0	4	97	285	22
Van Buren	0	0	0	12	29	178	8
Wapello	0	1	12	11	597	922	89
Warren	1	3	6	32	224	709	49
Washington	0	1	1	32	90	199	14
Wayne	0	0	0	0	28	111	2
Webster	1	5	17	162	709	1,581	172
Winnebago	0	0	0	7	24	151	10
Winneshiek	0	1	0	11	62	355	22
Woodbury	3	18	61	250	1,748	3,378	217
Worth	0	0	1	7	46	91	6
Wright	0	1	0	13	50	206	12
Total	59	375	1,114	4,233	25,357	74,818	4,609

Source: Iowa Department of Public Safety.

Major sources of personal income in Iowa, 1984

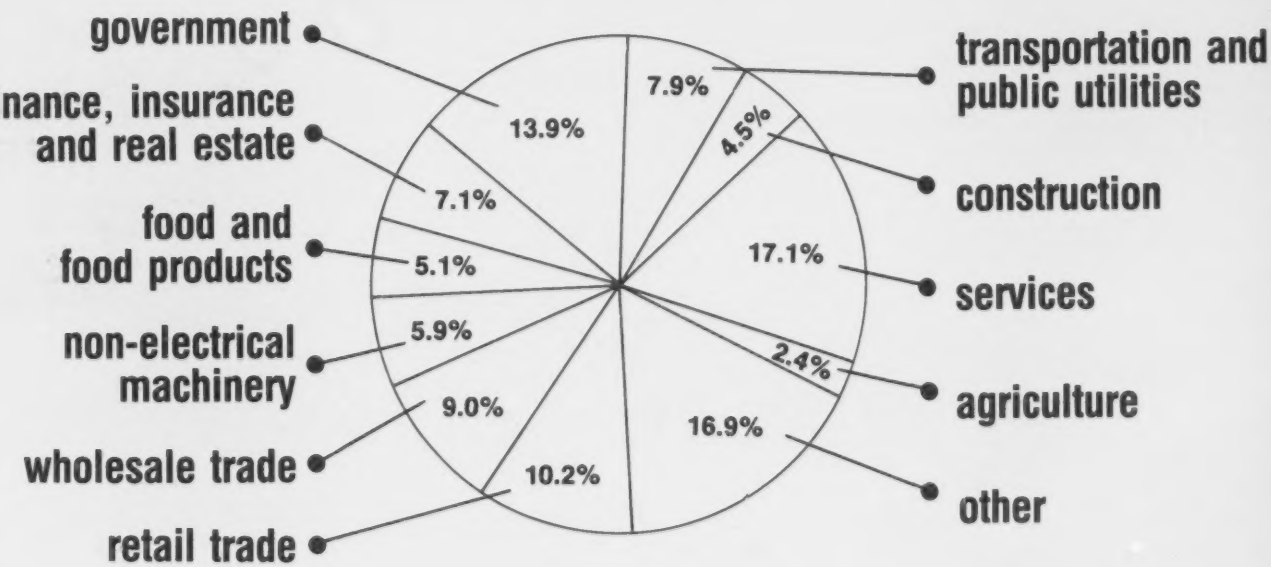
While agriculture accounts for a fairly small portion of Iowa personal income, its effects are widespread. For example, about 28 percent of Iowa factory workers are employed in two farm-related industries, food processing and farm machinery manufacturing.

However, during the past several years low farm income has had an impact on many Iowans. Its effects have been moderated somewhat by the 75 percent of Iowa personal income, which is shielded from local economic conditions. Income from transfer payments and interest, dividends and rent has been a stabilizing factor during the past several years.



Source: Office for Planning and Programming.

Income earned by industry source, 1984

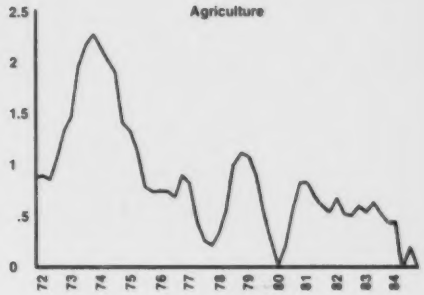


Source: Iowa Office For Planning & Programming, Economic Analysis Division.

Iowa income by industry*

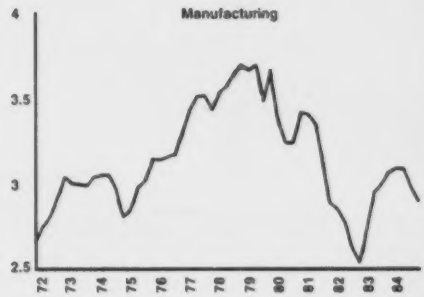
	Billions of Dollars		
	1982	1983	1984
Agriculture	0.81	0.57	0.26

Agriculture income includes that earned in farming, agricultural services, fishing and forestry. Total income from the sector has remained at relatively low levels. This is due to: low commodity prices, high interest rates and sluggish export activity resulting from the strong dollar overseas.



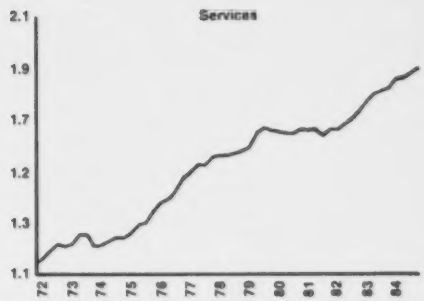
Manufacturing 2.82 2.81 3.03

During the past five years, the links of major Iowa manufacturing industries to agriculture and interest rates have contributed to lower levels of income from this sector.



Services 1.62 1.78 1.86

The service industries contain a wide variety of businesses, ranging from lodging and amusement to health care and business services. Historically, income from this sector is less affected by economic downturns than most other sectors. Income growth in services was retarded during the recession from 1979 through 1981. During the past three years, this group of industries has resumed a growth pattern.



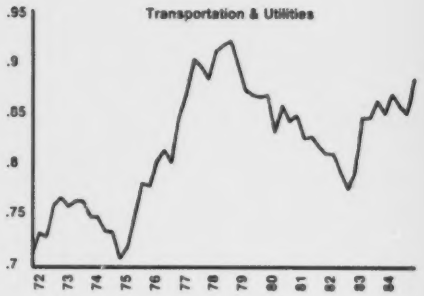
Finance, Insurance and Real Estate 0.68 0.74 0.78

Employment and income in this sector are influenced by different factors than those affecting the rest of the economy. For example, income growth during the first half of 1985 was limited somewhat by declining interest rates, which reduced the return on life insurance companies assets.

Iowa income by industry*

	Billions of Dollars		
	1982	1983	1984
Transportation and Public Utilities	0.80	0.84	0.86

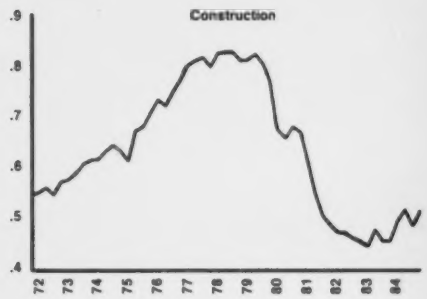
Income generated by the transportation portion of this sector is heavily influenced by two factors; the long-term decline in the use of railroads in the state, and the relatively low level of output from Iowa's manufacturing sector.



Construction

The level of construction activity is largely determined by interest rates and the amount of overall economic activity in the state. Income from the construction sector has risen somewhat over the past two years.

0.52	0.46	0.49



Trade

The wholesale and retail trade industries are largely dependent upon the overall health of the economy. Increases noted since the beginning of 1983 reflect the gradual improvement of some sectors of the state's economy.

2.07	1.97	2.09

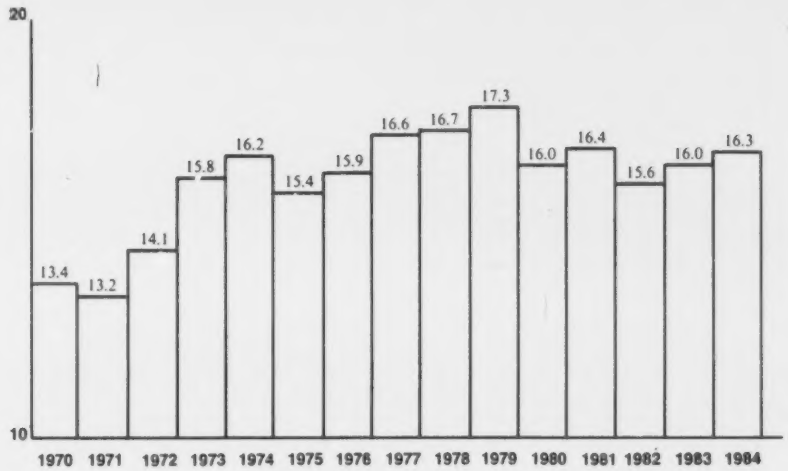
*Income includes wages and salaries, other labor income, proprietor's income and corporate profits (not only those distributed as dividends) that originate within a given industry in Iowa. Income is in billions of 1972 dollars, adjusted using the implicit price deflator for Gross National Product. Quarterly amounts are seasonally adjusted at annual rates.

Source: Division of Economic Analysis, Office for Planning and Programming.

Gross state product

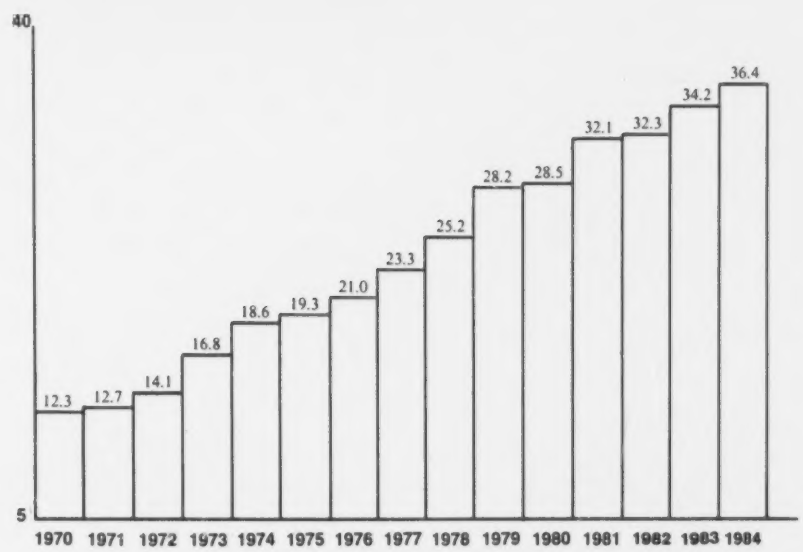
Iowa's Gross State Product is a broad measure of aggregate economic activity in the state. It represents the total value of all goods and services produced in the state, just as Gross National Product represents the same concept for the nation.

(constant 1972 dollars, in billions, reflects actual growth)



Source: Economic Analysis Division, Office for Planning and Programming, 1985.

(current dollars, in billions)



Source: Economic Analysis Division, Office for Planning and Programming, 1985.

U.S. inflation

Consumer price index for all urban consumers, all items, U.S. city average (1967=100).

Year	Year End Index	Average Annual Inflation Rate
1970	116.3	% 5.5
1975	161.2	7.0
1977	181.5	6.8
1978	195.4	9.0
1979	217.4	13.3
1980	246.8	12.4
1981	272.3	8.9
1982	289.1	3.9
1983	298.4	3.8
1984	315.5	4.0
1985	327.4	3.8

Source: U.S. Department of Labor, Bureau of Labor Statistics.

Quarterly Iowa economic forecast, 1985-1987

	Year and Quarter											
	1985:1	1985:2	1985:3	1985:4	1986:1	1986:2	1986:3	1986:4	1987:1	1987:2	1987:3	1987:4
Personal Income (billions of current dollars)	34.85	35.09	35.85	35.55	35.78	36.08	36.82	37.28	37.86	38.36	39.20	39.81
Personal Income (billions of 1972 constant dollars)	15.52	15.51	15.72	15.44	15.40	15.38	15.54	15.57	15.65	15.68	15.84	15.90
Total Nonfarm Employment (thousands)	1,070.37	1,079.31	1,081.17	1,082.62	1,084.83	1,086.76	1,087.90	1,089.77	1,091.89	1,095.01	1,098.49	1,101.00

Source: The Iowa Economic Forecast, September 1985, The Institute For Economic Research, The University of Iowa.

Public school enrollment[1]

Traditionally, Iowa's 436 public school districts have been in the forefront of new trends in school financing, teaching methods, administration and curriculum. This attitude is reinforced by the 238 parochial and private schools.

Iowa has three state universities, 34 private universities, and 15 area vocational schools and area community schools.

The University of Iowa in Iowa City has 29,651 enrollees. University Hospital is one of the nation's finest medical and educational institutions, often compared to the Mayo Clinic. The campus boasts the charming "Old Capitol," well preserved seat of Iowa's first formal government.

Iowa State University, Ames, has 26,529 students in eight major fields: Agriculture, Agricultural Engineering, Home Economics, Science and Humanities, Veterinary Medicine, Education, Engineering and graduate studies. The university pioneered some of the advances in nuclear energy research and is a major developer of uses for agricultural products. ISU also maintains an extension service that works with Iowa communities on a wide variety of social and economic projects.

The University of Northern Iowa, Cedar Falls, has 11,514 students. Originally a state teachers college, it now attracts students in a variety of fields, including business. The Doctor of Industrial Technology is the only degree of its kind in the nation. A feature of its attractive campus is the UNI-Dome, a multi-purpose enclosed arena.

	Enrollment						
Grade	1970-71	1975-76	1980-81	1981-82	1982-83	1983-84	1984-85
Kindergarten	50,219	45,790	39,104	37,500	39,424	39,067	39,872
First	49,890	40,890	35,265	36,609	35,881	37,518	37,405
Second	49,547	39,051	34,004	33,771	35,147	34,338	35,649
Third	50,510	39,461	36,449	33,499	33,227	34,299	33,519
Fourth	51,264	40,635	39,672	36,097	33,321	32,971	33,784
Fifth	50,314	43,225	40,118	39,094	35,628	32,742	32,404
Sixth	49,762	46,410	38,935	39,575	38,641	35,497	32,385
Ungraded Elem.	6,205	6,566	2,054	1,643	N/A	N/A	N/A
Total K-6	357,711	302,028	265,601	257,788	251,269	246,432	245,018
Seventh	48,918	49,570	39,238	39,190	39,947	38,937	35,734
Eighth	49,737	50,961	40,120	38,163	38,870	39,480	38,433
Ninth	50,725	53,099	42,372	40,612	39,257	39,940	40,532
Ungraded Jr. High	*	242	196	1,362	N/A	N/A	N/A
Total 7-9	149,380	153,872	121,926	119,327	118,074	118,357	114,699
Tenth	49,961	51,612	43,842	41,423	39,814	38,375	38,895
Eleventh	47,817	49,085	45,220	42,323	39,912	38,631	36,853
Twelfth	44,744	43,569	44,382	43,194	41,045	38,729	37,450
Ungraded Sr. High	190	262	1,314	714	N/A	N/A	N/A
Total 10-12	142,712	144,528	134,758	127,654	120,771	115,735	113,298
Special Education	9,766	10,410	10,398	10,229	13,002	14,441	14,837
Grand Total	659,576	610,838	532,683	514,956	503,116	480,524	487,852

N/A = Not Available.
[1]Data includes only approved public schools in Iowa.
Source: Iowa Department of Public Instruction.

Public and private high school graduates

	Graduation[1] Rate
U.S. Average	73.9%
Illinois	77.1
Indiana	78.3
IOWA	88.0
Kansas	82.5
Minnesota	90.7
Missouri	76.2
Nebraska	84.1
Ohio	82.2
South Dakota	85.0
Wisconsin	84.0

[1]Graduation rate is defined as the percent of the 1981 ninth grade class that completed high school in 1984.
Source: National Center for Education Statistics, U.S. Department of Education, 1984.

Enrollment in higher learning

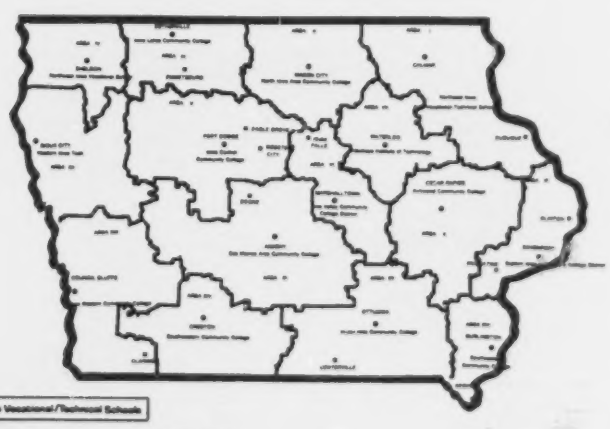
Type of Institution	Undergraduate Enrollment Fall 1975	Fall 1980	Fall 1981	Fall 1982	Fall 1983	Fall 1984
Regents	40,748	47,247	48,712	51,094	53,259	53,952
Independent 4-year	29,571	33,338	33,675	32,622	38,823	31,393
Independent 2-year	3,040	798	767	1,979[1]	1,838	1,637
Area schools	30,784	35,477	37,261	39,005	39,360	39,679
Bible & Theological Schools	921	812	751	337	720	682
Business Schools	1,562	1,651	1,813	1,021	1,301	1,422
Nursing & Professional Schools[2]	1,632	1,243	1,317	1,423	1,452	1,226
Grand Total	108,258	120,728	124,550	127,481	130,753	129,991

[1]American Institute of Business was reclassified from a business school to an independent 2-year.
[2]Ottumwa Heights College and Palmer Junior College were merged with the Area Community College.
Source: Iowa College Aid Commission.

Area college enrollment

	Total Students Degree Credit Enrollment				By Source		By Academic Load		New Freshmen		Other New Students	
	Fall 1984	Total	Fall 1985 Men	Women	Iowa Residents	Non-Iowa Residents	Full Time	Part Time	Fall 1984	Fall 1985	Fall 1984	Fall 1985
Des Moines Area, Ankeny, Boone and Carroll	8056	7882	3288	4594	7735	147	3677	4225	3780	3785	683	879
Eastern Iowa—Clinton, Muscatine and Scott	4470	4710	2033	2677	4288	422	2486	2224	1843	2095	114	8
Hawkeye Institute	1809	1867	1100	767	1853	14	1767	100	597	664	113	133
Indian Hills—Ottumwa, Ottumwa Heights, Centerville	2212	1958	978	980	1890	68	1504	454	858	793	460	261
Iowa Central—Eagle Grove, Fort Dodge, Webster City	2398	2239	1025	1214	2188	51	1659	580	1524	1331	90	117
Iowa Lakes—Emmetsburg, Estherville	1700	1625	872	753	1527	98	1197	428	739	699	82	59
Iowa Valley—Ellsworth, Marshalltown	2308	2303	1058	1245	2231	72	1620	683	1205	1024	86	103
Iowa Western	2864	2796	1282	1514	2570	226	1742	1054	1066	912	224	253
Kirkwood	6340	6377	2816	3561	6235	142	3773	2604	2579	2526	457	462
North Iowa Area	2296	2296	1120	1176	2246	50	1622	674	850	898	145	202
Northeast Iowa												
Calmar	476	464	218	246	456	8	394	70	262	226	60	91
Peosta	604	645	202	443	616	29	516	129	329	371	59	71
Northwest Iowa	461	469	386	83	430	39	462	7	265	245	33	50
Southeastern												
Burlington	1404	1390	586	804	1282	108	949	450	648	625	82	93
Keokuk	439	422	121	301	321	101	256	166	177	191	18	31
Ft. Madison State Pen.	92	63	63	–	63	–	14	49	31	33	7	6
Southwestern	673	779	391	388	756	23	599		302	193	69	104
Western Iowa Tech	1294	1373	816	557	1230	143	1348	25	668	693	150	193
TOTAL	39696	39658	18355	21303	37917	1741	25556	14102	17723	17304	2932	3116

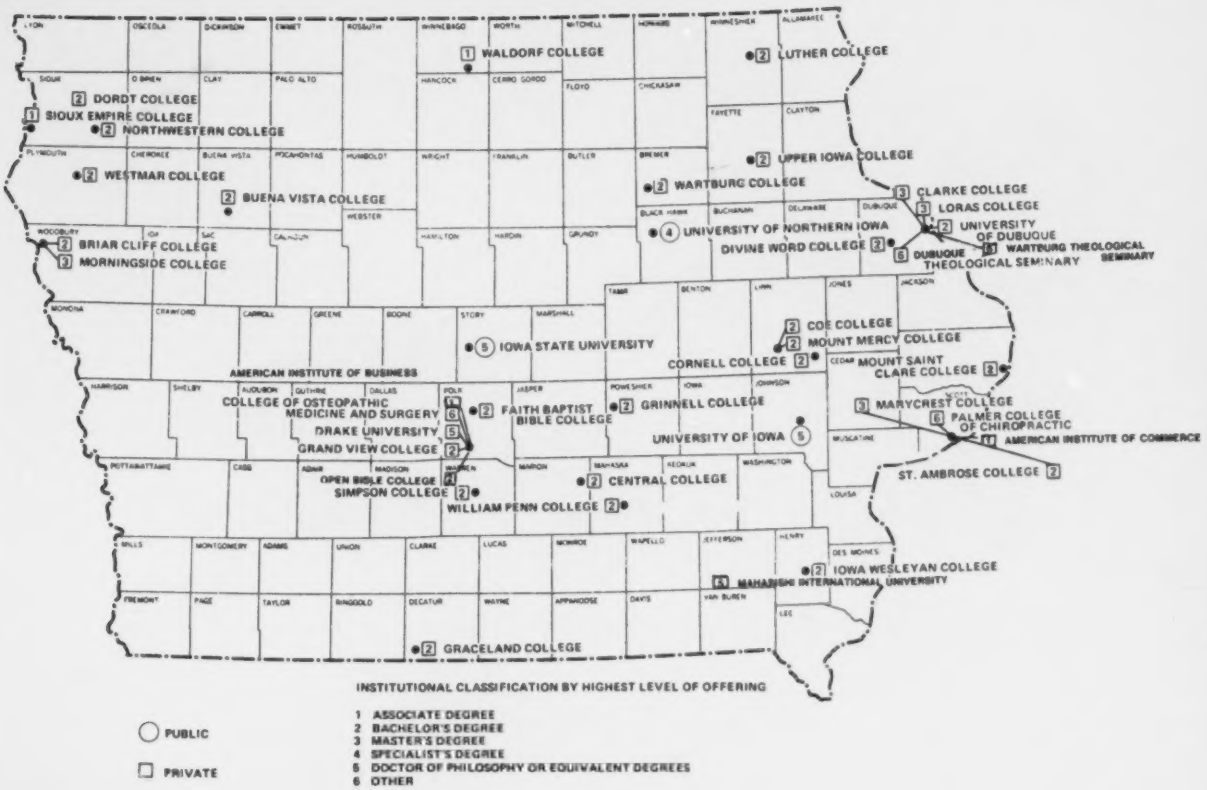
Source: Iowa College and University Enrollment Fall 1985, prepared by Dr. Jerald Dallam, University of Iowa.


Iowa Area Vocational/Technical Schools
OTHER CAMPUS (AREA SCHOOLS WITH MORE THAN ONE MAJOR CAMPUS)
ADMINISTRATIVE CENTER AND CAMPUS

Iowa's area colleges provide an exceptionally wide variety of opportunities. Programs are offered through the adult education division and college parallel division.

The growth of the area colleges has been impressive. In the 1965-66 school year, there were only 25 occupational programs available. This number has increased to 158 full-time preparatory career programs during fall of the 1985-86 school year.

Iowa colleges and universities



Source: Iowa Development Commission.

Higher education in the Midwest

State	1979-80 Total Degrees	1979-80 Bachelor's Degrees	1979-80 Advanced Degrees*	1980-81 Total Degrees	1980-81 Bachelor's Degrees	1980-81 Advanced Degrees*
United States	1,330,244	929,417	400,827	1,335,793	935,140	400,653
Illinois	66,889	44,187	22,702	67,407	44,470	22,937
IOWA	18,302	13,511	4,791	19,096	14,441	4,655
Kansas	15,863	11,706	4,157	15,814	11,672	4,142
Minnesota	23,860	18,634	5,226	24,848	19,392	5,456
Missouri	32,329	21,804	10,525	32,404	22,041	10,363
South Dakota	4,173	3,948	765	4,612	3,868	744
Nebraska	10,239	7,553	2,686	10,073	7,404	2,669
Wisconsin	28,824	21,807	7,017	28,907	22,026	6,881

*Includes master's, doctor's, and first-professional degrees.
Source: The Condition of Education — 1983 Edition, National Center for Education, U.S. Department of Education.

Freshmen enrollment in higher education

Type of Institution	Fall 1980*	1983	1984	1985
State Institutions	9,825	10,003	9,407	9,734
Private Colleges and Universities	8,478	7,895	7,984	7,347
Area Schools	17,266	18,004	17,126	17,304
Private Junior Colleges	393	1,331	1,341	1,446
ALL INSTITUTIONS	35,962	37,262	35,858	35,831

*Business school freshmen enrollment not included.
Source: Iowa College Aid Commission.

Persons age 25 years and over by years of school completed, 1980

State	Elementary 0-8 years	Percent	High School 1-3 years	Percent	High School 4 years	Percent	College 1-3 years	Percent	College 4 years or more	Percent
United States	24,257,683	18.3	20,277,683	15.3	45,947,035	34.6	20,794,975	15.6	21,558,480	16.2
Illinois	1,235,826	18.5	1,001,414	15.0	2,343,719	35.1	1,015,515	15.2	1,082,285	16.2
IOWA	283,918	16.7	200,038	11.8	729,369	42.9	249,722	14.7	237,055	13.9
Kansas	203,355	14.7	166,880	12.0	543,823	39.2	237,617	17.1	236,427	17.0
Minnesota	391,854	16.7	240,294	10.2	904,382	38.6	401,890	17.1	407,281	17.4
Missouri	634,211	21.7	430,386	14.8	1,059,240	36.3	389,304	13.3	405,515	13.9
Nebraska	137,561	15.1	105,055	11.5	370,302	40.6	157,693	17.3	141,542	15.5
South Dakota	85,894	22.0	39,072	10.0	141,375	36.3	68,936	17.7	54,624	14.0
Wisconsin	485,923	18.0	336,370	12.4	1,093,496	40.4	388,523	14.4	401,076	14.8

Source: 1980 Census of Population, U.S. Department of Commerce, Bureau of the Census.

Annual salary estimate of teachers in public schools

	1975-76	1980-81	1981-82	1982-83	1983-84	1984-85
Iowa	$11,700	$16,961	$18,270	$19,257	$20,140	$20,934
United States	12,600	17,590	19,064	20,725	22,029	23,582

Source: Rankings of the States, 1985; National Education Association.

Expenditures per pupil[1] in public elementary/ secondary schools

	1983-84	1984-85
U.S. Average	$3,183	$3,413
Illinois	3,384	3,517
Indiana	2,583	2,638
IOWA	3,251	3,409
Kansas	3,392	3,668
Minnesota	3,373	3,396
Missouri	2,675	2,901
Nebraska	2,899	3,128
Ohio	2,998	3,315
South Dakota	2,639	2,813
Wisconsin	3,677	3,880

[1]Current expenditures per pupil in average daily attendance.
Source: Rankings of the States, 1985; National Education Association.

School enrollment 1984-85
(Primary and Secondary Education)

County	K-6	7-9	10-12	Special Education	Total	Non-Public Enrollment	Total Enrollment All Schools
Adair	675	297	261	16	1,249	–	1,249
Adams	434	183	143	31	791	–	791
Allamakee	1,348	723	723	97	2,891	214	3,105
Appanoose	1,282	608	561	91	2,542	106	2,648
Audubon	677	299	345	6	1,327	–	1,327
Benton	2,176	998	1,063	93	4,330	118	4,448
Black Hawk	10,476	4,446	4,361	787	20,070	3,730	23,800
Boone	1,957	935	915	105	3,912	297	4,209
Bremer	2,942	1,510	1,585	92	6,129	322	6,451
Buchanan	1,729	792	756	80	3,357	390	3,747
Buena Vista	1,583	735	642	117	3,077	367	3,444
Butler	1,512	695	696	15	2,918	–	2,918
Calhoun	1,309	618	636	17	2,580	–	2,580
Carroll	1,405	581	612	76	2,674	2,075	4,749
Cass	1,708	776	740	24	3,248	–	3,248
Cedar	1,885	835	922	35	3,677	–	3,677
Cerro Gordo	3,643	1,649	1,601	326	7,219	703	7,922
Cherokee	1,532	682	655	53	2,922	–	2,922
Chickasaw	1,248	623	732	10	2,613	206	2,819
Clarke	834	392	370	14	1,600	–	1,600
Clay	1,770	753	772	54	3,349	189	3,538
Clayton	2,024	827	945	116	3,912	179	4,091
Clinton	4,915	2,341	2,354	340	9,950	939	10,889
Crawford	1,806	870	869	68	3,613	403	4,016
Dallas	3,112	1,501	1,376	145	6,134	216	6,350
Davis	784	374	327	19	1,504	–	1,504
Decatur	799	385	355	19	1,558	–	1,558
Delaware	1,675	830	848	81	3,434	280	3,714
Des Moines	3,873	1,847	1,764	251	7,735	401	8,136
Dickinson	1,483	657	651	9	2,800	–	2,800
Dubuque	5,468	2,980	3,500	695	12,643	7,483	20,126
Emmet	1,483	557	568	47	2,655	–	2,655
Fayette	2,312	1,150	1,248	129	4,839	344	5,183
Floyd	1,634	861	925	90	3,510	250	3,760
Franklin	936	392	410	40	1,778	39	1,817
Fremont	953	423	389	39	1,804	–	1,804
Greene	1,042	470	488	46	2,046	–	2,046
Grundy	1,288	628	638	17	2,571	69	2,640
Guthrie	1,370	635	605	50	2,660	–	2,660
Hamilton	1,569	762	752	77	3,160	93	3,253
Hancock	1,249	551	533	11	2,344	69	2,413
Hardin	2,089	1,030	1,004	107	4,230	–	4,230
Harrison	1,577	784	773	74	3,208	57	3,265
Henry	1,867	856	783	79	3,585	–	3,585
Howard	1,027	499	542	33	2,101	287	2,388
Humboldt	992	439	518	42	1,991	152	2,143
Ida	740	314	309	32	1,395	–	1,395
Iowa	1,300	610	714	27	2,651	215	2,866
Jackson	1,875	955	977	174	3,981	642	4,623
Jasper	3,280	1,560	1,457	159	6,456	234	6,690
Jefferson	1,050	577	541	78	2,246	178	2,424

School enrollment (continued)

County	K-6	7-9	10-12	Special Education	Total	Non-Public Enrollment	Total Enrollment All Schools
Johnson	5,303	2,325	2,292	220	10,140	586	10,726
Jones	1,646	842	940	89	3,517	268	3,785
Keokuk	1,255	590	577	28	2,450	–	2,450
Kossuth	1,425	652	608	69	2,754	1,218	3,972
Lee	3,216	1,527	1,469	271	6,483	1,289	7,772
Linn	14,234	7,095	7,358	1,273	29,960	3,255	33,215
Louisa	1,498	661	641	17	2,817	–	2,817
Lucas	822	422	321	113	1,678	–	1,678
Lyon	1,148	529	496	33	2,206	186	2,392
Madison	1,475	645	594	121	2,835	–	2,835
Mahaska	1,758	741	731	93	3,323	190	3,513
Marion	2,800	1,218	1,219	145	5,382	784	6,166
Marshall	3,276	1,795	1,769	284	7,124	373	7,497
Mills	1,397	636	570	29	2,632	–	2,632
Mitchell	878	443	471	24	1,816	240	2,056
Monona	975	415	477	47	1,914	88	2,002
Monroe	733	321	331	48	1,433	–	1,433
Montgomery	1,222	551	448	32	2,253	–	2,253
Muscatine	3,895	1,750	1,650	213	7,508	272	7,780
O'Brien	1,398	649	679	48	2,774	516	3,290
Osceola	460	240	240	31	971	103	1,074
Page	1,703	782	662	49	3,196	107	3,303
Palo Alto	1,030	474	553	30	2,087	275	2,362
Plymouth	2,001	893	939	55	3,888	1,058	4,946
Pocahontas	851	439	466	46	1,802	148	1,950
Polk	25,358	12,177	11,340	1,888	50,763	5,580	56,343
Pottawattamie	8,317	3,797	3,276	628	16,018	872	16,890
Poweshiek	1,505	767	722	139	3,133	8	3,141
Ringgold	572	253	216	24	1,065	–	1,065
Sac	1,249	533	554	26	2,362	68	2,430
Scott	14,916	6,991	7,053	1,014	29,974	2,603	32,577
Shelby	1,154	631	715	72	2,572	347	2,919
Sioux	1,899	872	843	70	3,684	2,608	6,292
Story	4,900	2,177	2,186	205	9,468	185	9,653
Tama	1,783	810	830	113	3,536	–	3,536
Taylor	791	347	355	17	1,510	–	1,510
Union	1,303	624	585	56	2,568	96	2,664
Van Buren	819	331	348	33	1,531	–	1,531
Wapello	3,709	1,736	1,586	243	7,274	78	7,352
Warren	3,488	1,779	1,503	186	6,956	–	6,956
Washington	1,702	848	840	57	3,447	260	3,707
Wayne	695	296	294	22	1,307	–	1,307
Webster	3,153	1,419	1,479	308	6,359	1,280	7,639
Winnebago	1,417	603	661	41	2,722	12	2,734
Winneshiek	1,165	584	751	40	2,540	537	3,077
Woodbury	8,813	3,705	3,448	979	16,945	2,911	19,856
Worth	668	327	300	1	1,296	–	1,296
Wright	1,546	672	658	34	2,910	–	2,910
State	245,018	114,699	113,298	14,837	487,852	49,648	537,500

K = Kindergarten.
Source: Iowa Department of Public Instruction.

Economic development training

Iowa's vocational education delivery system is responding to the educational needs of business and industry by offering customized training—tailored to the unique needs of the specific business or industry. During fiscal year 85, Iowa business and industrial firms and Iowa schools cooperated in the development of training programs for 7,514 Iowans. These partnerships between business and industry and education contribute to economic growth in the state by preparing, upgrading, and retraining individuals for participation in the workforce.

These programs were developed to:

- Prepare workers for employment in new and expanding business and industry (NEBIT)
- Increase productivity in existing business and industry (Productivity Enhancement)
- Prepare new workers for employment in firms hiring new employees in situations which create primary income jobs (Industrial Start-up)
- Prepare workers for employment in new or expanding business and industry in accordance with a unique financial design established by the Iowa State Legislature (Iowa Industrial New Jobs Training Program)

Program Category	No. of Schools		No. of Companies		No. of Programs		Enrollment	
	1984	1985	1984	1985	1984	1985	1984	1985
NEBIT	10	6	12	10	13	10	422	1,694
Productivity Enhancement	8	1	32	1	11	1	1,718	649
Industrial Start-up	2	5	2	5	2	6	93	131
Iowa Industrial New Jobs Training Program	11	14	15	53	15	56	1,059	5,040
Total	*	*	*	*	41	73	3,292	7,514

*Detailed data will not aggregate to overall total because several schools and companies were involved in more than one of the four categories.
Source: Iowa Department of Public Instruction, Career Education Division.

Public libraries

Number of Public Libraries	Size of Community Served
8	Over 50,000
9	25,000-49,999
12	10,000-24,999
36	5,000-9,999
52	2,500-4,999
142	1,000-2,499
139	500-999
111	Under 500
4	Counties
Total 513	

	1981	1982	1983	1984
Acquisitions:				
book titles	514,929	546,648	555,486	1,190,822
audio-visual titles	25,332	21,383	24,312	26,453
microforms/other	56,647	53,160	55,524	649,640
Holdings:				
book titles	7,945,442	8,030,242	8,459,395	8,742,141
periodical subscriptions	23,696	24,260	25,127	25,334
audio-visual titles	235,824	243,215	273,583	286,383
microforms	470,755	547,116	564,586	772,404
Circulation:				
print materials	14,980,907	16,456,342	17,304,120	16,519,270
non-print materials	708,157	762,749	899,327	1,052,003
statewide circulation per capita	8.37	9.15	9.6	9.36

Sources: State Library of Iowa, Office of Library Development.

Energy

Total Iowa energy consumption

PRIMARY ENERGY DELIVERIES

Energy Type	1977	1978	1979	1980	1981	1982	1983[r]	1984
Motor Gas (million gallons)	1,750.44	1,808.08	1,724.30	1,529.17	1,378.81	1,312.64	1,307.90	1,421.22
Distillate (million gallons)	856.40	879.14	878.07	660.31	570.52	572.42	631.48	699.04
Propane (million gallons)	661.89	567.55	511.24	367.63	328.53	363,07	274.97	310.93
Residual (million gallons)	17.42	13.82	9.19	4.64	2.06	.59	7.63	w
Aviation Fuel (million gallons)	90.21	88.61	74.78	80.03	92.65	79.09	71.94	84.11
Natural Gas (billion cf)	309.35	249.90	261.97	245.13	236.89	219.20	206.39	214.94
Coal and coke, bituminous and lignite (thousand net tons)	9,039.00	10,659.00	13,571.00	12,568.00	12,127.00	13,076.00	13,336.00	14,896.00
Uranium (6.1 kwh) Gross thermal energy	21.24	16.90	22.50	19.44	20.29	19.59	20.09	20.18
Hydroelectric (bil. kwh)	2.33	3.44	2.42	2.57	2.40	2.39	2.45	2.40

w = Withheld.
r = Revised.
Source: *Energy 1984*, Annual Report of the Iowa Energy Policy Council.

Iowa's primary energy use*

PERCENTAGE OF TOTAL BY SOURCE

Source	1975	1977	1978	1979	1980	1981	1982	1983[r]	1984
Nat. Gas	36.7%	29.1%	25.0%	24.4%	25.6%	26.1%	24.3%	23.2%	22.3%
Gasoline	20.6	20.8	22.1	19.7	19.6	18.6	17.8	17.9	18.0
Distillate	10.9	11.5	10.9	11.2	9.5	8.6	8.7	9.6	9.8
LP	4.8	6.2	5.3	4.4	3.6	3.4	3.7	2.7	2.9
Aviation & Residual	1.3	1.4	1.3	1.1	1.1	1.3	1.1	1.1	1.2
Coal & Coke	16.7	18.1	25.7	29.7	30.9	31.5	34.1	35.0	36.1
Nuclear	5.9	6.8	5.3	7.0	6.8	7.5	7.3	7.5	7.0
Hydropower	3.1	2.9	3.9	2.5	2.8	2.9	2.9	3.0	2.8

r = Revised.
*Compiled from Form EIA-25 (actual deliveries to Iowa) and Iowa Commerce Commission data. *Energy 1984*, Iowa Energy Policy Council.

Major components of Iowa's energy cost

Energy Type	Cost (000)	Percent
Gasoline	$1,677,040	31.8%
Electricity	1,419,165	26.9%
Natural Gas	1,012,390	19.3%
Distillate	775,939	14.7%
Propane	202,103	3.8%
Aviation Fuel	126,159	2.4%
Coal (Industrial)	56,980	1.1%
1983 Total Energy Bill	$5,270,276,000	

Source: *Energy 1984*, Iowa Energy Policy Council.

Energy use and cost by industry

SIC Code	Industry Group	BTU's (Trillions)	Cost (Million Dollars)
20	Food and kindred products	66.2	233.6
23	Apparel, other textile products	.2	1.3
24	Lumber and wood products	.7	4.1
25	Furniture and fixtures	.4	2.3
26	Paper and allied products	4.2	16.7
27	Printing and publishing	1.2	8.3
28	Chemicals, allied products	30.4	111.1
30	Rubber, misc. plastics products	6.5	29.2
32	Stone, clay, glass products	18.7	55.3
33	Primary metal industries	12.0	59.0
34	Fabricated metal products	3.3	19.2
35	Machinery, except electrical	16.1	84.7
36	Electric, electronic equipment	3.1	20.7
37	Transportation equipment	1.0	6.4
38	Instruments, related products	.1	.9
39	Misc. manufacturing indus.	.7	4.5

Source: 1982 Annual Survey of Manufactures. U.S. Department of Commerce, Bureau of the Census.

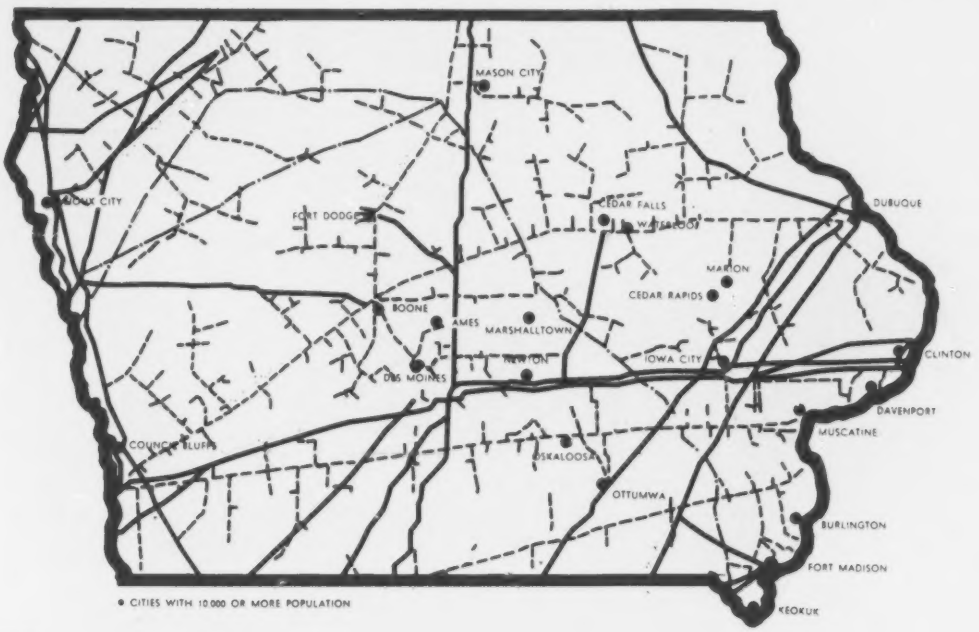
Typical residential electric bills*, 1984

communities (2,500 in population or larger)

	Lighting, Appliances, Refrigeration, Cooking						Lighting, Appliances, Refrigeration, Cooking						Lighting, Appliances, Refrigeration, Cooking				
	Water Heating				Space Heating		Water Heating				Space Heating		Water Heating				Space Heating
	250 kWh	500 kWh	750 kWh	1,000 kWh	2,500 kWh		250 kWh	500 kWh	750 kWh	1,000 kWh	2,500 kWh		250 kWh	500 kWh	750 kWh	1,000 kWh	2,500 kWh
Iowa						Iowa						Iowa					
Adel	25.28	46.55	67.83	89.10	165.30	Dubuque	20.16	36.91	49.06	65.38	139.48	† Mount Pleasant	25.74	41.86	56/98	71.05	153.06
Adel	26.93	49.85	72.78	95.70	233.25	Dyersville	22.02	40.61	53.70	71.50	146.32	Mount Vernon	22.65	41.30	57.34	71.64	153.69
Albia	17.81	32.94	45.48	59.11	131.92	Eagle Grove	25.21	44.98	56.40	75.92	151.68	Mount Vernon	22.65	41.30	59.95	78.60	190.50
Albia	17.81	32.94	45.48	60.11	147.88	Eldora	22.65	41.30	57.34	71.64	153.69	† Muscatine	12.45	23.00	29.32	38.46	90.07
† Algona	17.95	30.90	40.10	51.30	131.90	Eldora	22.65	41.30	59.95	78.60	190.50	Nevada	22.65	41.30	57.34	71.64	153.69
Altoona	25.28	46.55	67.83	89.10	165.30	† Eldridge	23.66	44.21	64.76	85.31	208.67	Nevada	22.65	41.30	59.95	78.60	190.50
Altoona	26.93	49.85	72.78	95.70	233.25	† Eldridge	23.74	45.16	66.59	88.01	216.56	† New Hampton	16.98	34.17	44.65	58.13	134.83
† Ames	20.95	36.09	50.48	64.87	149.48	Emmetsburg	23.21	44.98	56.40	75.92	151.68	Newton	17.49	31.16	39.93	53.67	130.27
† Ames	22.89	41.29	59.43	77.57	177.93	† Estherville	17.40	30.89	41.54	52.18	116.05	Newton	17.49	31.73	40.31	54.52	137.17
Anamosa	22.65	41.30	57.34	71.64	153.69	Evansdale	25.21	44.98	56.40	75.92	151.68	Norwalk	25.28	46.55	67.83	89.10	165.30
Anamosa	22.65	41.30	59.95	78.60	190.50	Fairfield	22.65	41.30	57.34	71.64	153.69	Norwalk	26.93	49.85	72.78	95.70	233.25
Ankeny	25.28	46.55	67.83	89.10	165.30	Fairfield	22.65	41.30	59.95	78.60	190.50	Oelwein	22.02	40.61	53.70	71.50	146.32
Ankeny	26.93	49.85	72.78	95.70	233.25	† Forest City	17.61	30.75	41.33	54.50	123.75	† Onawa	19.30	33.80	43.30	57.80	93.30
† Atlantic	15.15	27.05	33.50	44.30	80.25	Fort Dodge	23.28	46.62	53.62	71.14	134.94	† Oneida	19.30	33.80	43.30	57.80	108.30
† Atlantic	15.15	27.05	33.50	44.50	110.25	Fort Dodge	23.28	51.02	56.14	79.38	211.04	† Orange City	15.75	29.00	40.75	52.50	123.00
Audubon	25.21	44.98	56.40	75.92	151.68	Fort Madison	15.18	28.03	34.53	46.35	82.82	Osceola	16.48	26.92	38.18	50.40	110.23
Belle Plaine	22.65	41.30	57.34	71.64	153.69	Fort Madison	15.18	28.03	35.14	47.99	125.11	Osceola	17.40	31.16	39.93	53.67	130.27
Belle Plaine	22.65	41.30	59.95	78.60	190.50	Garner	22.65	41.30	57.34	71.64	153.69	Osceola	17.49	31.73	40.31	54.52	137.17
Bettendorf	23.28	46.62	52.62	71.14	124.94	Garner	22.65	41.30	59.95	78.60	190.50	Oskaloosa	25.28	46.55	67.83	89.10	165.30
Bettendorf	23.28	51.02	56.14	79.38	211.04	Glenwood	25.28	46.55	67.83	89.10	165.30	Oskaloosa	26.93	49.85	72.78	95.70	233.25
† Bloomfield	18.86	32.73	46.36	59.40	131.83	Glenwood	26.93	49.85	72.78	95.70	233.25	Ottumwa	17.40	31.16	39.93	53.67	130.27
Boone	22.65	41.30	57.34	71.64	153.69	Grinnell	17.40	31.16	39.93	53.67	130.27	Ottumwa	17.49	31.73	40.31	54.52	137.17
Boone	22.65	41.30	59.95	78.60	190.50	Grinnell	17.49	31.73	40.31	54.52	137.17	† Pella	17.75	33.09	41.94	56.68	141.46
Burlington	17.40	31.16	39.93	53.67	130.27	† Grundy Center	18.00	33.00	48.50	68.00	119.00	Perry	22.65	41.30	57.34	71.64	153.69
Burlington	17.49	31.73	40.31	54.52	137.17	Hampton	25.21	44.98	56.40	75.92	151.68	Perry	22.65	41.30	59.95	78.60	190.50
Camanche	23.28	46.62	56.62	71.14	124.94	† Harlan	16.57	31.20	45.82	58.95	102.70	Pleasant Hill	25.28	46.55	67.83	89.10	165.30
Camanche	23.28	51.02	56.14	79.38	211.04	† Harlan	16.57	31.20	45.82	58.95	137.70	Pleasant Hill	26.93	49.85	72.78	95.70	233.25
† Carlisle	15.60	29.20	42.00	54.00	104.40	† Hawarden	15.75	22.00	28.25	34.50	72.00	Red Oak	25.28	46.55	67.83	89.10	165.30
† Carlisle	15.60	29.20	42.00	54.00	126.00	Hawarden	23.66	41.30	57.34	71.64	153.69	Red Oak	26.93	49.85	72.78	95.70	233.25
Carroll	23.21	44.98	56.40	75.92	151.68	Hawarden	22.65	41.30	59.95	78.60	190.50	† Rock Rapids	13.38	21.75	30.13	38.50	88.75
† Carter Lake	16.16	26.41	36.17	45.93	94.14	Hombolth	25.21	44.98	56.40	75.92	151.68	Sac City	25.21	44.98	56.40	75.92	151.68
† Carter Lake	16.62	29.97	42.08	54.79	125.50	Humboldt	21.90	38.10	54.98	71.98	167.20	Shelby	19.25	34.45	49.35	64.20	138.95
† Cedar Falls	17.18	30.18	43.18	53.78	113.78	† Indianola	17.25	31.80	45.61	59.41	133.43	Shenandoah	25.28	46.55	67.83	89.10	165.30
† Cedar Falls	17.18	30.18	43.18	56.18	134.18	Iowa City	23.28	46.62	52.62	71.14	124.94	Shenandoah	26.93	49.85	72.78	95.70	233.25
Cedar Rapids	22.65	41.30	57.34	71.64	153.69	Iowa City	23.28	51.02	56.14	79.38	211.04	† Sibley	16.65	29.70	43.10	54.15	130.00
Cedar Rapids	22.65	41.30	59.95	78.60	190.50	Iowa Falls	22.65	41.30	57.34	71.64	153.69	† Sioux Center	13.87	23.89	33.92	43.94	104.09
Centerville	17.40	31.16	39.93	53.67	130.27	Iowa Falls	22.65	41.30	59.95	78.60	190.50	Spencer	25.21	45.68	57.23	72.46	134.71
Centerville	17.49	31.73	40.31	54.52	137.17	Jefferson	22.65	41.30	57.34	71.64	153.69	† Spencer	14.00	24.00	34.00	44.00	89.00
Chariton	17.40	31.16	39.93	53.67	130.27	Jefferson	22.65	41.30	59.95	78.60	190.50	Spirit Lake	22.65	41.30	57.34	71.64	153.69
Chariton	17.49	31.73	40.31	54.52	137.17	Johnston	25.28	46.55	67.83	89.10	165.30	Spirit Lake	22.65	41.30	59.95	78.60	190.50
Charles City	25.21	44.98	56.40	75.92	151.68	Johnston	26.93	49.85	72.78	95.70	233.25	Storm Lake	25.21	44.98	56.40	75.92	151.68
Cherokee	25.21	44.98	56.40	75.92	151.68	Keokuk	15.18	28.03	34.53	46.35	82.82	† Story City	22.23	40.95	56.93	72.90	168.75
Clarinda	25.28	46.55	67.83	89.10	165.30	Keokuk	15.18	28.03	35.14	47.99	125.11	† Story City	22.23	40.95	58.18	75.40	178.75
Clarinda	26.93	49.85	72.78	95.70	233.25	Knoxville	25.28	46.55	67.83	89.10	165.30	Tama	22.65	41.30	57.34	71.64	153.69
Clarion	25.21	44.98	56.40	75.92	151.68	Knoxville	26.93	49.85	72.78	95.70	233.25	Tama	23.66	41.30	59.95	78.60	190.50
Clear Lake	22.02	40.61	53.70	71.50	146.32	† Lamoni	18.95	33.46	44.95	59.50	123.60	† Tipton	17.80	32.27	46.22	60.17	138.17
Clinton	20.16	36.91	49.06	65.38	139.48	La Claire	23.28	46.62	52.62	71.14	134.94	† Tipton	17.80	32.61	47.41	62.21	146.51
Clive	25.28	46.55	67.83	89.10	165.30	La Claire	23.28	51.02	56.14	79.38	211.04	Urbandale	25.28	46.55	67.83	89.10	165.30
Clive	26.93	49.85	72.78	95.70	233.25	Le Mars	25.21	44.98	56.40	75.92	151.68	Urbandale	26.93	49.85	72.78	95.70	233.25
Coralville	23.28	46.62	52.62	71.14	124.94	Manchester	22.65	41.30	57.34	71.64	153.69	† Vinton	19.23	34.45	49.35	64.20	138.95
Coralville	23.28	51.02	56.14	79.38	211.04	Manchester	22.65	41.30	59.95	78.60	190.50	Washington	17.40	31.16	39.93	53.67	130.27
Council Bluffs	25.28	46.55	67.83	89.10	165.30	Maquoketa	22.65	41.30	57.34	71.64	153.69	Washington	17.49	31.73	40.31	54.52	137.17
Council Bluffs	26.93	49.85	72.78	95.70	233.25	† Maquoketa	18.19	34.14	49.24	64.61	150.56	Waterloo	25.21	44.98	56.40	75.92	151.68
Cresco	22.02	40.61	53.70	71.50	146.32	Marshalltown	22.65	41.30	59.95	78.60	190.50	Waterloo	22.02	40.61	53.70	71.50	146.32
Creston	17.40	31.16	39.93	53.67	130.27	† Maquoketa	18.19	34.14	49.41	64.61	150.56	† Waverly	20.75	38.75	55.88	73.00	155.00
Creston	17.49	31.73	40.31	54.52	137.17	Marshalltown	23.66	41.30	57.34	71.64	153.69	† Waverly	20.75	38.75	55.88	73.00	158.50
Davenport	23.28	46.62	52.62	71.14	124.94	Marion	22.65	41.30	59.95	78.60	190.50	† Webster City	18.45	33.54	48.21	62.90	141.70
Davenport	23.28	51.02	56.14	79.38	211.04	Marshalltown	22.65	41.30	57.34	71.64	153.69	West Burlington	17.40	31.16	39.93	53.67	130.27
De Witt	22.65	41.30	57.34	71.64	153.69	Marshalltown	22.65	41.30	59.95	78.60	190.50	West Burlington	17.49	31.73	40.31	54.52	137.17
De Witt	22.65	41.30	59.95	78.60	190.50	Mason City	20.16	36.91	50.74	67.06	141.88	West Des Moines	25.28	46.55	67.83	89.10	165.30
Decorah	22.02	40.61	53.70	71.50	146.32	Missouri Valley	25.28	46.55	67.83	89.10	165.30	West Des Moines	26.93	49.85	72.78	95.70	233.25
† Denison	14.23	24.30	28.93	37.13	76.50	Missouri Valley	26.93	49.85	72.78	95.70	233.25	West Union	22.02	40.61	53.70	71.50	146.32
Des Moines	25.53	47.02	68.51	89.99	166.95	Monticello	22.65	41.30	57.34	71.64	153.69	Windsor Heights	25.28	46.55	67.83	89.10	165.30
Des Moines	27.20	50.35	73.51	96.66	238.58	Monticello	22.65	41.30	59.95	78.60	190.50	Windsor Heights	26.93	49.85	72.78	95.70	233.25
												† Winterset	16.80	26.10	36.80	47.50	110.00

*When a community is listed twice, the top is the winter rate, the bottom is the summer rate.
† = Served by publicly owned utility.
Source: Energy Information Administration, U.S. Department of Energy.

Natural gas



PIPELINES SERVING IOWA

CRUDE OIL or PETROLEUM PRODUCTS

NATURAL GAS (Northern Natural, National Gas Pipeline of America, Michigan-Wisconsin Pipeline Co.)

natural gas use in Iowa:

	Residential			Commercial			Industrial			Total		
	1982	1983	1984	1982	1983	1984	1982	1983	1984	1982	1983	1984
Customers (000)	675.7	678.4	679.6	80.7	81.1	81.0	1.9	1.9	1.7	758.5	761.6	762.6
Sales (Trillion BTU)	85.7	77.7	80.2	53.2	48.0	49.9	92.1	87.8	93.2	231.2	213.6	225.5
Revenues ($000,000)	397.8	423.0	438.2	227.6	239.3	249.0	339.8	352.7	367.1	966.3	1016.3	1062.9
Average Monthly Revenues Per Customer	$49.06	$51.96	$53.74	$235.03	$245.89	$256.14	$14,903.5	$15,469.36	$17,995.29	$106.16	$111.20	$116.15

Source: Gas Facts, American Gas Association, Arlington, Virginia, 1985.

Electric utility industry

	1975		1980		1982		1983		1984	
	Revenues (000)	Energy Sales (Millions of Kilowatt hours)	Revenues (000)	Energy Sales (Millions of Kilowatt hours)	Revenues (000)	Energy Sales (Millions of Kilowatt hours)	Revenues (000)	Energy Sales (Millions of Kilowatt hours)	Revenues (000)	Energy Sales (Millions of Kilowatt hours)
Residential	$268,653	8,226	$481,302	9,913	622,640	9,761	699,499	10,377	$736,993	9,858
Commercial/Industrial	288,457	11,282	268,777/294,644	5,375/9,040	332,190/373,444	5,255/8,970	371,874/389,485	5,523/9,060	412,995/446,116	5,607/9,566
Street and Highway Lighting	8,542	208	13,489	214	17,320	220	19,001	225	20,553	224
Other Public	7,411	301	14,087	360	18,688	333	21,556	395	24,070	391
Interdepartmental	502	31	790	36	37	1	30	1	29	1
IOWA total			$1,073,889	24,938	$1,364,319	24,540	$1,201,443	25,580	$1,640,698	25,646

Source: Statistical Yearbook of the Electric Utility Industry 1984, Edison Electric Institute, Washington, D.C.

Bank deposits and loans (millions)

Total Gross Loans and Federal Funds Sold	1970	1975	1980	1981	1982	1983	1984
Illinois	$22,023	$ 43,015	$ 84,317	$ 78,412	$ 98,704	$ 84,220	$ 94,409
IOWA	53,848	7,437	13,136	13,756	14,151	14,007	13,929
Kansas	2,835	5,490	9,661	10,686	11,287	11,979	11,936
Minnesota	5,629	10,127	18,699	19,000	23,060	24,490	28,398
Missouri	6,909	11,304	20,442	22,206	24,142	23,723	22,008
Nebraska	2,166	4,103	7,190	8,070	8,525	8,672	8,392
S. Dakota	923	1,828	3,172	5,619	6,224	7,560	10,324
Wisconsin	6,869	10,207	16,708	17,288	18,232	18,954	19,742
Total Midwest	51,202	93,511	173,325	175,037	204,325	193,605	209,138

Total Deposits							
Illinois	$34,548	$ 59,446	$109,218	$ 89,205	$124,168	$ 98,611	$120,307
IOWA	6,634	11,799	18,492	19,754	21,523	23,127	24,070
Kansas	5,017	8,791	14,077	15,184	16,549	18,035	19,670
Minnesota	9,139	14,739	25,485	25,281	30,028	31,240	37,263
Missouri	11,456	17,260	27,388	29,218	31,947	34,466	34,602
Nebraska	3,606	6,251	9,583	10,491	11,429	12,344	12,994
S. Dakota	1,571	2,914	4,535	6,540	6,703	7,886	8,624
Wisconsin	9,682	15,008	22,058	22,632	24,732	27,049	28,567
Total Midwest	81,653	136,208	230,836	189,087	267,079	252,758	286,097

Source: Iowa Department of Banking, F.D.I.C. Database.

Mortgage loans outstanding at savings and loan associations (millions)

	1970	1975	1980	1981	1982	1983	1984
Illinois	$ 11,696	$ 20,388	$ 36,863	$ 36,808	$ 30,882	$ 32,596	$41,112
IOWA	1,691	3,494	5,939	5,959	5,767	5,948	5,992
Kansas	1,884	3,631	6,233	6,384	6,156	6,937	8,105
Minnesota	2,907	5,179	8,456	8,344	7,034	6,574	7,011
Missouri	3,799	7,288	12,675	12,646	12,153	12,617	13,385
Nebraska	1,037	2,425	4,498	4,643	4,437	4,921	5,468
S. Dakota	212	454	857	866	832	837	856
Wisconsin	3,147	6,091	10,585	10,541	9,707	9,937	11,068

Source: Federal Home Loan Banks of Chicago, Des Moines and Topeka.

Insured commercial banks

	1970	1980	1981	1982	1983
Number of banks	658	55	643	N/A	
Total assets ($000,000)	$7,455	$21,734	$23,765	$25,468	$25,913
Demand deposits ($000,000)	3,124	5,000	4,026	3,864	3,726
Time deposits ($000,000)	3,510	13,476	15,729	17,609	19,400
Total deposits ($000,000)	6,634	18,475	19,755	21,473	23,126
Securities ($000,000)	2,363	6,006	7,214	8,164	N/A
Cash, bank balances	1,104	N/A	N/A	N/A	N/A

N/A = Not Available.
Source: U.S. Department of Commerce, Statistical Abstract of the U.S., 1970-1984.

Savings and loan associations

	1970	1979	1980	1981	1982
Number of associations	83	78	74	70	63
Total assets ($000,000)	$1,966	$6,815	$7,169	$7,360	$7,671
First mortgage loans ($000,000)	1,691	5,743	5,927	5,970	5,689
Savings capital ($000,000)	1,691	5,704	6,078	6,091	6,156

Source: U.S. Department of Commerce, Statistical Abstract of the U.S., 1970-1984.

Chattel or small loan companies

	1970	1981	1982	1983	1984
Number of offices	358	180	171	173	168
Number of accounts	107,991	49,665	37,285	31,189	38,130
Loans made during year ($000)	53,724	30,625	25,981	30,616,994	41,229,762
Loans charged off during year ($000)	1,783	3,666	1,791	1,342,944	1,133,905
Total gross loans pending ($000)	47,974	33,264	33,422	31,521,632	38,545,181

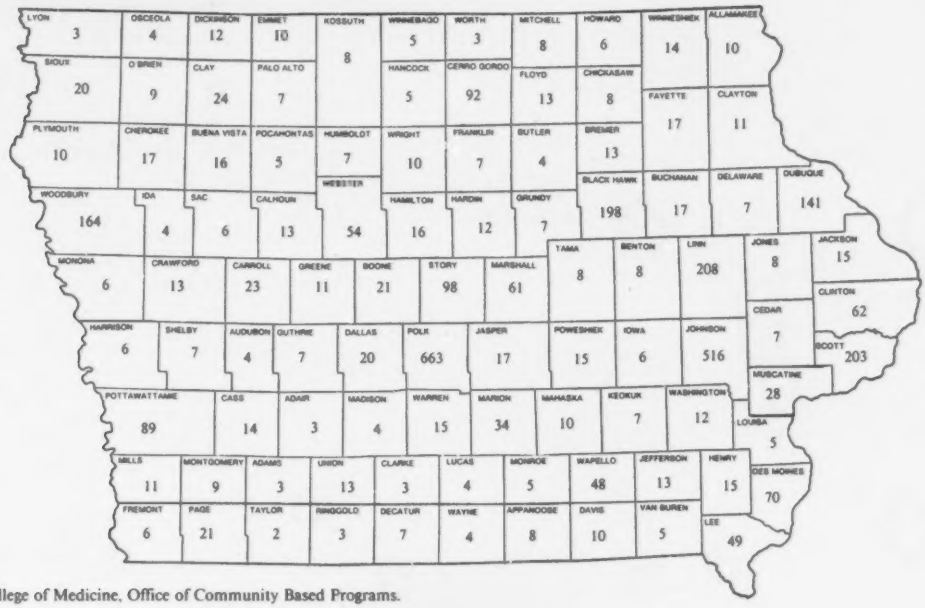
Source: State of Iowa, Annual Report of the Superintendent of Banking.

Chartered credit unions

	1970	1980	1981	1982	1983	1984
Number (after January 1)	426	381	364	348	337	320
Total assets ($000)	205,599	660,560	722,880	842,439	948,638	1,019,138
Loans ($000)	150,265	479,044	488,107	483,817	553,053	652,176
Shares and deposits ($000)	181,093	591,158	640,754	750,489	860,592	918,390

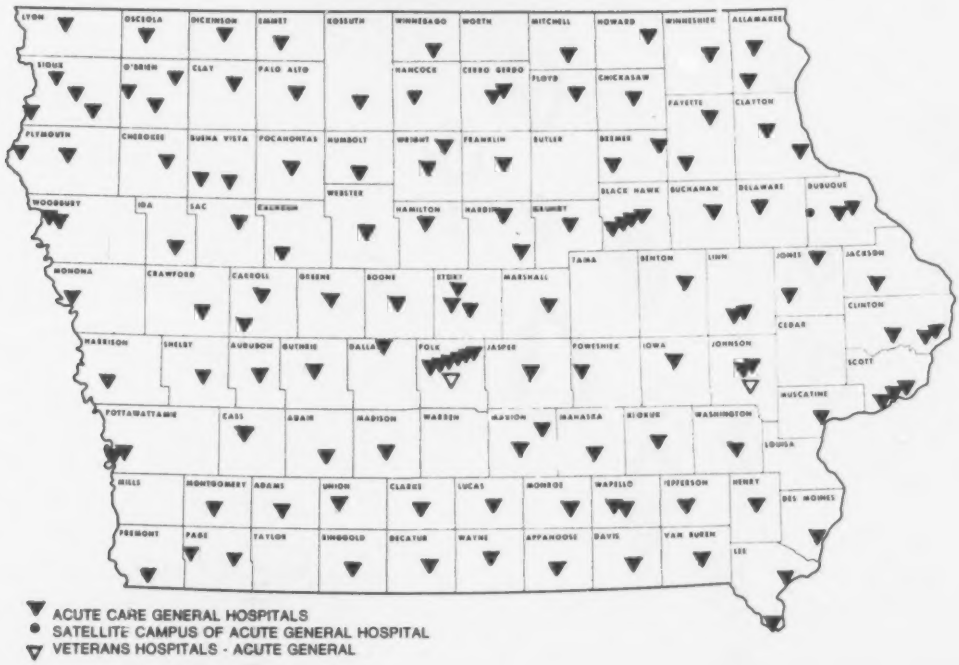
Source: State of Iowa, Annual Report of the Credit Union Department.

Number of practicing physicians (M.D. and D.O.), 1984



University of Iowa, College of Medicine, Office of Community Based Programs.

Hospitals



Source: Iowa State Department of Health, Office for Health Planning & Development.

Causes of death

	Occurrence	
	Number	Rate per 100,000 pop.
Tuberculosis, All Forms	5	0.2
Tuberculosis of Respiratory System	3	0.1
Other Tuberculosis	2	0.1
Syphilis	1	—
Other Infective and Parasitic Diseases	213	7.3
Malignant Neoplasms, Including Neoplasms of Lymphatic and Hematopoietic Tissues	5,853	201.5
Malignant Neoplasms of Lip, Oral Cavity, and Pharynx	96	3.3
Malignant Neoplasms of Digestive Organs and Peritoneum	1,614	55.6
Malignant Neoplasms of Respiratory and Intrathoracic Organs	1,447	49.8
Malignant Neoplasms of Breast	479	16.5
Malignant Neoplasms of Genital Organs	728	25.1
Malignant Neoplasms of Urinary Organs	278	9.6
Malignant Neoplasms of All Other and Unspecified Sites	604	20.8
Leukemia	228	7.8
Other Neoplasms of Lymphatic and Hematopoietic Tissues	379	13.0
Benign Neoplasms, Carcinoma In Situ, and Neoplasms of Uncertain Behavior and of Unspecified Nature	47	1.6
Diabetes Mellitus	503	17.3
Anemias	50	1.7
Meningitis	12	0.4
Major Cardiovascular Diseases	14,295	492.2
Diseases of Heart	10,938	376.6
Rheumatic Fever and Rheumatic Heart Disease	86	3.0
Hypertensive Heart Disease	207	7.1
Hypertensive Heart and Renal Disease	61	2.1
Ischemic Heart Disease	8,288	285.3
Acute Myocardial Infarction	4,741	163.2
Other Acute and Subacute Forms of Ischemic Heart Disease	30	1.0
Angina Pectoris	9	0.3
Old Myocardial Infarction and Other Forms of Chronic Ischemic Heart Disease	3,508	120.8
Other Diseases of the Endocardium	98	3.4
All Other Forms of Heart Disease	2,198	75.7
Hypertension With or Without Renal Disease	120	4.1
Cerebrovascular Diseases	2,345	80.7
Intracerebral and Other Intracranial Hemorrhage	220	7.6
Cerebral Thrombosis and Unspecific Occlusions of Cerebral Arteries	355	12.2
Cerebral Embolism	12	0.4
All Other and Late Effects of Cerebrovascular Diseases	1,758	60.5
Arteriosclerosis	593	20.4
Other Diseases of Arteries, Arterioles, and Capillaries	299	10.3
Acute Bronchitis and Bronchiolitis	6	0.2
Pneumonia	911	31.4
Influenza	49	1.7
Bronchitis, Chronic and Unspecified	44	1.5
Emphysema	178	6.1
Asthma	57	2.0
Ulcer of the Stomach and Duodenum	104	3.6
Chronic Liver Disease and Cirrhosis	220	7.6
Cholelithiasis and Other Disorders of the Gallbladder	42	1.4
Nephritis, Nephrotic Syndrome, and Nephrosis	152	5.2
Acute Glomerulonephritis and Nephrotic Syndrome	9	0.3
Chronic Glomerulonephritis, Nephritis and Nephropathy, Not Specified, and Renal Sclerosis, Unspecified	28	1.0
Renal Failure, Disorders Resulting from Impaired Renal Function, and Small Kidney of Unknown Cause	115	4.0
Infections of Kidney	49	1.7
Hyperplasia of Prostate	20	0.7
Complications of Pregnancy, Childbirth, and the Puerperium	3	0.7
Congenital Anomalies	143	4.9
Certain conditions Originating in the Perinatal Period	159	5.5
Birth Trauma, Intrauterine Hypoxia, Birth Asphyxia, and Respiratory Distress Syndrome	40	1.4
Other Conditions Originating in the Perinatal Period	119	4.1
Symptoms, Signs, and Ill-Defined Conditions	123	4.2
All Other Diseases	2,489	85.7
Accidents and Adverse Effects	1,071	36.9
Motor Vehicle Accidents	512	17.6
All Other Accidents and Adverse Effects	559	19.2
Suicides	325	11.2
Homicide and Legal Intervention	69	2.4
Other External Causes	29	1.0

Source: Vital Statistics of Iowa 1983, Iowa State Department of Health.

Cases of notifiable diseases, 1983

Disease	Number of Reported Cases
Amebiasis	39
Asceptic Meningitis	142
Chickenpox	6,186
Encephalitis	44
Gonorrhea	4,574
Hepatitis A	31
Hepatitis B	90
Hepatitis non-A non-B	40
Hepatitis unspecified	13
Legionellois	7
Malaria	3
Meningococcal infections	20
Mumps	49
Pertussis	9
Rabies	200
Rubella	—
Salmonellosis	340
Shigellosis	66
Syphillis	78
Toxic Shock Syndrome	17
Tuberculosis	65

Source: Morbidity and Mortality Weekly Report, December 1984.

Registered hospitals, 1983

State	Hospitals	Number of Beds	Total Admissions	Occupancy Rate	Average Length[1] of Stay	Adjusted Expenses[1] Per In-Patient Days
United States	6,888	1,350,361	38,886,681	76.1	7.6	$369.49
Illinois	140	19,778	517,611	68.8	7.7	310.44
IOWA	279	70,612	1,985,937	73.3	7.9	413.08
Kansas	165	18,280	435,473	67.0	7.6	331.25
Minnesota	181	29,128	679,341	73.2	9.2	298.65
Missouri	169	33,730	977,828	73.7	7.9	368.10
Nebraska	110	12,037	325,785	69.6	8.6	278.94
Indiana	133	32,018	920,104	77.1	7.5	336.74
Ohio	236	62,405	1,876,661	77.1	7.9	371.59
South Dakota	68	5,730	144,758	67.1	8.6	244.24
Wisconsin	163	29,357	781,055	71.7	8.1	322.67

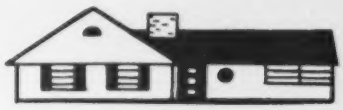
[1]Community hospitals only.
Source: Hospital Statistics, 1984 Edition, American Hospital Association.

Licensed medical professionals[1]

	1980	1982	1983	1984	1985
Chiropractors	1,067	1,088	1,116	1,123	1,200
Dentists	2,543	2,440	2,356	2,460	3,725
Dental Hygienists	930	862	834	1,091	1,709
LPN's[2]	6,696	10,759	11,395	11,252	10,983
MD's	7,045	7,420	7,594	8,080	8,253
Optometrists	509	563	571	575	566
Osteopathic Physicians	293	219	182	159	154
Osteopathic Physicians and Surgeons	673	787	780	855	875
Pharmacists	*	*	*	*	4,027
Physical Therapists	667	677	645	778	661
Podiatrists	150	142	144	154	148
RN's[2]	26,580	28,293	29,749	30,240	29,974

[1]Estimated as of October, 1985.
[2]Total active license holders.
*Not Available.
Source: Iowa Board of Nursing, Iowa Department of Health.
Iowa Board of Pharmacy, Iowa Board of Dental Examiners.
Iowa Board of Medical Examiners.

Housing units, 1980



Units	All Housing Units	Total Year-Round Housing Housing Units	Owner Occupied Number	Owner-Median Value (Dollars)
Iowa	1,121,314	1,053,033	756,517	40,600
Urban	669,820	634,153	432,103	42,600
Rural	451,494	418,880	324,414	35,100
Inside SMSA's	442,907	420,658	288,607	46,500
In Central Cities	266,477	264,634	172,148	44,500
Not in Central Cities	95,433	93,322	65,700	51,300
Outside SMSA's	678,407	632,375	467,910	35,900
Standard Metropolitan Statistical Areas				
Cedar Rapids	64,778	61,700	44,025	46,600
Davenport-Rock Island-Moline, Iowa-Ill.	144,928	138,256	95,961	48,300
Des Moines	134,313	126,330	85,918	48,500
Dubuque	31,506	30,021	21,655	48,600
Iowa City	31,583	30,220	16,335	58,400
Omaha, Neb.-Iowa	215,747	203,235	131,667	39,500
Sioux City	45,151	42,348	30,058	35,900
Waterloo	50,290	48,205	34,441	46,400
Places of 2,500 Inhabitants or More				
Adel	1,208	1,077	842	46,600
Albia	1,900	1,778	1,269	28,100
Algona	2,512	2,382	1,703	44,900
Altoona	1,964	1,872	1,361	56,300
Ames	14,809	14,015	6,573	62,000
Anamosa	1,654	1,559	1,082	38,800
Ankeny	5,611	5,258	3,308	60,000
Atlantic	3,353	3,141	2,232	37,700
Audubon	1,230	1,165	946	36,100
Belle Plaine	1,303	1,222	919	24,700
Belmond	1,060	1,015	753	40,100
Bettendorf	9,668	9,333	6,927	60,700
Bloomfield	2,849	1,201	861	32,800
Boone	5,316	5,005	3,580	37,200
Burlington	12,090	11,325	7,979	35,000
Camanche	1,654	1,603	1,279	44,900
Carlisle	1,092	1,040	832	52,000
Carroll	3,545	3,398	2,442	46,500
Carter Lake	1,127	1,074	949	27,000
Cedar Falls	12,189	11,712	7,890	54,500
Cedar Rapids	43,532	41,662	28,357	45,400
Centerville	945	2,708	1,809	24,100
Chariton	2,345	2,169	1,542	30,300
Charles City	3,576	3,401	2,538	36,500
Cherokee	2,863	2,689	1,823	34,800
Clarinda	2,285	2,094	1,432	33,600
Clear Lake	3,731	2,949	2,128	47,100
Clinton	12,895	12,261	8,722	36,600
Clive	2,342	2,195	1,229	85,700
Coralville	3,672	3,491	1,161	56,200
Council Bluffs	21,949	20,872	14,233	30,100
Cresco	1,646	1,576	1,240	32,400
Creston	3,642	3,403	2,473	30,900
Davenport	40,294	38,024	23,684	47,900
Decorah	2,653	2,558	1,602	45,000
Denison	2,568	2,429	1,749	43,200
Des Moines	79,913	75,249	48,432	41,700
De Witt	1,789	1,707	1,226	48,600
Dubuque	22,160	21,107	14,132	47,500
Dyersville	1,334	1,295	1,057	47,000
Eagle Grove	1,736	1,614	1,183	32,900
Eldora	1,340	1,239	932	36,400
Eldridge	1,034	976	697	62,300
Emmetsburg	1,805	1,665	1,216	36,200
Estherville	3,075	2,854	2,112	36,300
Evansdale	1,669	1,622	1,328	36,800
Fairfield	3,455	3,311	2,313	35,000
Forest City	1,694	1,538	1,143	38,400
Fort Dodge	11,636	11,120	7,410	40,700
Fort Madison	5,328	5,043	3,536	33,600
Garner	1,063	1,015	848	42,600
Glenwood	1,759	1,662	1,153	38,700
Grinnell	3,279	3,119	2,067	43,600
Grundy Center	1,185	1,134	913	42,600
Hampton	2,016	1,854	1,349	37,100
Harlan	2,212	2,075	1,542	38,100
Hawarden	1,120	1,053	814	31,100
Hiawatha	1,989	1,895	1,249	50,500
Humboldt	2,024	1,904	1,408	44,200
Independence	2,463	2,354	1,726	38,000
Indianola	4,104	3,880	2,579	51,700
Iowa City	19,235	18,594	8,773	58,600
Iowa Falls	2,444	2,318	1,639	38,500
Jefferson	2,024	1,921	1,502	37,100
Johnston	1,013	857	647	60,400
Keokuk	5,667	5,224	3,674	28,300
Knoxville	3,141	2,977	2,126	36,800
Lamoni	850	779	529	32,800
LeClaire	1,035	994	791	48,100
LeMars	3,095	2,961	2,045	45,100
Manchester	2,045	1,942	1,424	39,900
Maquoketa	2,655	2,504	1,751	40,100
Marion	7,194	6,863	5,215	49,500
Marshalltown	10,771	10,244	7,083	41,700
Mason City	12,617	11,884	8,293	39,300
Missouri Valley	1,321	1,232	865	27,400
Monticello	1,492	1,425	1,077	39,700
Mount Pleasant	2,823	2,611	1,816	41,800
Mount Vernon	1,006	937	668	46,000
Muscatine	8,975	8,517	6,050	42,300
Nevada	2,402	2,230	1,651	45,900
New Hampton	1,588	1,511	1,136	44,100
Newton	6,471	6,143	4,340	37,900
Norwalk	861	835	649	51,900
Oelwein	3,069	2,890	2,268	34,700
Onawa	1,396	1,315	1,008	30,200
Orange City	1,529	1,456	1,153	46,500
Osage	1,610	1,527	1,206	34,300
Osceola	1,806	1,657	1,199	30,600
Oskaloosa	4,777	4,458	3,011	32,300
Ottumwa	11,459	10,914	8,269	26,000
Pella	3,070	2,919	2,041	48,300
Perry	2,980	2,764	1,929	34,300
Pleasant Hill	1,182	1,088	921	58,100
Red Oak	3,021	2,819	2,019	34,500
Rock Rapids	1,182	1,099	841	36,900
Rock Valley	994	949	755	38,000
Sac City	1,284	1,212	888	32,400
Sheldon	5,003	1,846	1,370	39,100
Shenandoah	2,834	2,616	1,681	30,200
Sibley	1,234	1,171	932	34,500
Sioux Center	1,470	1,420	1,071	47,800
Sioux City	32,007	30,098	21,139	35,800
Spencer	4,803	4,550	3,043	45,000
Spirit Lake	1,717	1,537	1,103	43,700
Storm Lake	3,363	3,243	2,221	43,400
Story City	1,137	1,074	771	48,000
Tama	1,194	1,119	861	28,200
Tipton	1,317	1,255	900	41,700
Urbandale	6,904	6,412	4,420	68,600
Vinton	2,157	1,991	1,472	36,200
Washington	2,772	2,618	1,908	36,200
Waterloo	29,545	28,349	19,847	43,700
Waukon	1,654	1,558	1,180	34,800
Waverly	2,985	2,895	2,055	50,400
Webster City	3,433	3,243	2,392	40,300
West Burlington	1,466	1,409	988	38,800
West Des Moines	8,927	8,312	5,410	66,100
West Liberty	1,042	990	726	42,800
West Union	1,118	1,074	821	36,000
Wilton	963	910	660	47,300
Windsor Heights	2,217	2,159	1,709	69,000
Winterset	1,732	1,638	1,173	36,300

Source: General Housing Characteristics, 1980 Census of Housing, Bureau of the Census.

Median value of housing units, 1980

State	Total Housing Units	Owner Occupied			Renter Occupied		
		Total	Median Value (Dollars)	Vacancy Rate	Total	Median Contract Rent (Dollars)	Vacancy Rate
Illinois	4,316,973	2,531,697	52,800	1.8	1,511,047	201	6.9
Indiana	2,091,725	1,381,969	37,200	1.6	545,009	166	8.5
IOWA	1,121,314	756,517	40,600	1.6	296,466	175	7.3
Kansas	954,906	612,435	37,800	2.3	259,804	168	9.2
Minnesota	1,613,342	1,036,029	53,100	1.5	409,587	212	5.8
Missouri	1,989,259	1,249,034	36,700	2.0	544,685	153	9.0
Nebraska	624,829	390,931	38,000	2.0	180,469	170	7.9
North Dakota	258,772	156,498	43,900	2.6	71,166	175	8.9
Ohio	4,107,983	2,622,880	44,900	1.5	1,210,826	167	7.7
South Dakota	276,997	168,002	36,600	2.1	74,521	148	10.1
Wisconsin	1,863,981	1,127,419	48,600	1.3	524,935	185	5.0

Source: U.S. Department of Commerce, Bureau of the Census, 1980 Census of Housing, "Selected Housing Characteristics, by States and Counties."

Housing units by county

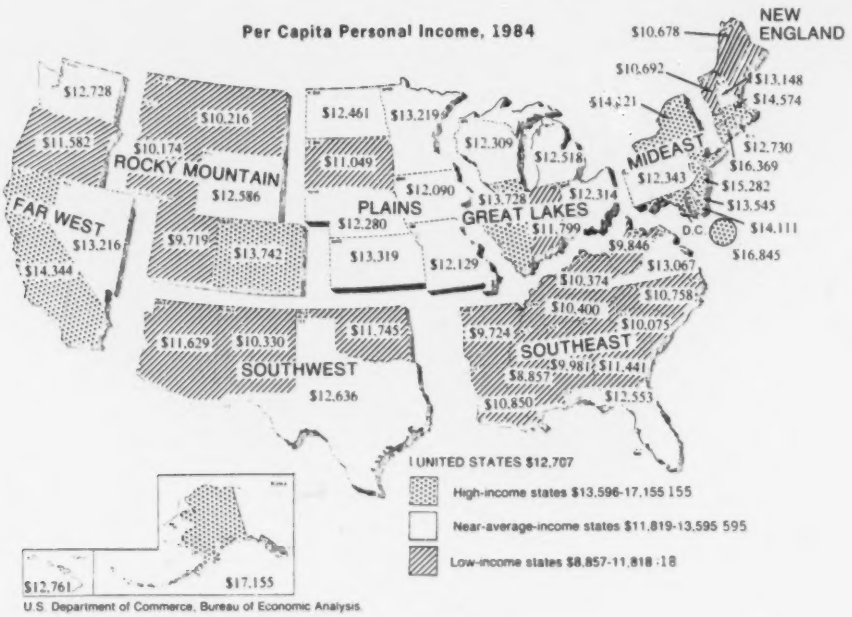
Counties	Total Housing Units	Occupied Housing Units			
		Owner Occupied		Renter Ocupied	
		Total	Median Value (Dollars)	Total	Median Contract Rent (Dollars)
Iowa	1,121,314	756,517	40,600	296,466	175
Adair	3,963	2,753	27,800	862	104
Adams	2,478	1,703	23,500	513	104
Allamakee	6,578	4,011	32,900	1,204	119
Appanoose	6,706	4,565	21,200	1,446	112
Audubon	3,524	2,458	31,100	734	109
Benton	9,090	6,523	34,700	2,038	147
Black Hawk	50,290	34,441	46,400	13,764	205
Boone	10,427	7,208	37,700	2,523	155
Bremer	8,811	6,585	46,900	1,869	161
Buchanan	8,222	5,982	37,000	1,690	146
Buena Vista	8,198	5,461	38,900	2,212	138
Butler	6,779	5,037	34,900	1,319	124
Calhoun	5,782	3,766	29,500	1,347	123
Carroll	8,379	5,816	38,900	2,053	156
Cass	7,025	4,748	31,600	1,776	123
Cedar	7,312	4,918	42,000	1,853	152
Carro Gordo	20,931	13,391	40,600	5,303	168
Cherokee	6,475	4,261	34,100	1,738	122
Chickasaw	5,701	4,244	39,300	1,115	137
Clarke	3,715	2,554	28,900	802	140
Clay	8,043	5,093	42,000	2,284	166
Clayton	8,557	5,673	32,300	1,814	119
Clinton	21,370	14,970	39,100	5,375	182
Crawford	7,094	4,982	34,800	1,679	151
Dallas	11,555	8,077	42,700	2,611	155
Davis	3,579	2,564	28,400	714	116
Decatur	3,974	2,565	21,100	893	103
Delaware	6,542	4,839	37,700	1,380	130
Des Moines	18,567	12,746	37,500	4,604	157
Dickinson	10,187	4,604	43,800	1,429	154
Dubuque	31,506	21,655	48,600	8,366	176
Emmet	5,268	3,556	35,100	1,288	150
Fayette	9,721	7,112	32,400	1,981	126
Floyd	7,587	5,485	36,700	1,599	137
Franklin	5,421	3,632	35,000	1,378	151
Fremont	4,016	2,568	25,100	1,020	109
Greene	5,020	3,385	29,300	1,297	120
Grundy	5,480	3,934	42,000	1,294	151
Guthrie	5,287	3,458	26,600	1,114	108
Hamilton	7,144	4,834	37,600	1,789	148
Hancock	5,410	3,766	36,100	1,236	142
Hardin	8,799	6,023	35,000	2,138	147
Harrison	6,357	4,406	26,800	1,551	108
Henry	7,241	5,120	37,300	1,587	149
Howard	4,271	3,159	29,300	853	109
Humboldt	5,017	3,411	37,400	1,209	146
Ida	3,634	2,436	30,300	933	109
Iowa	5,872	4,253	35,200	1,345	148
Jackson	8,564	5,784	38,600	1,848	134
Jasper	14,447	10,140	37,700	3,424	152
Jefferson	6,034	4,239	33,300	1,477	136
Johnson	31,583	16,335	58,400	13,885	212
Jones	7,349	5,234	35,600	1,697	128
Keokuk	5,398	3,899	21,500	985	108
Kossuth	8,243	5,639	37,600	2,167	136
Lee	16,684	11,673	33,800	3,945	158
Linn	64,778	44,025	46,600	17,745	208
Louisa	4,828	3,274	35,700	944	140
Lucas	4,503	3,085	28,200	960	109
Lyon	4,776	3,385	32,700	1,103	108
Madison	4,967	3,494	36,000	1,081	123
Mahaska	9,151	6,085	32,400	2,362	151
Marion	11,021	7,743	39,600	2,579	165
Marshall	16,338	11,005	40,500	4,405	177
Mills	4,832	3,422	35,300	1,115	146
Mitchell	4,735	3,547	31,900	885	119
Monona	4,877	3,321	25,800	1,147	101
Monroe	3,822	2,719	26,700	791	116
Montgomery	5,800	3,851	30,900	1,419	128
Muscatine	15,245	10,449	43,400	3,765	178
O'Brien	6,659	4,770	34,400	1,484	121
Osceola	3,266	2,299	29,700	751	126
Page	8,073	5,041	30,000	2,276	119
Palo Alto	5,244	3,352	31,700	1,272	138
Plymouth	8,860	6,203	40,900	2,222	145
Pocahontas	4,661	3,086	29,200	1,184	118
Polk	122,136	76,856	48,100	37,961	229
Pottawattamie	32,395	22,197	32,300	8,584	170
Poweshiek	8,075	4,886	37,300	1,979	153
Ringgold	2,975	1,871	20,100	538	105
Sac	6,073	3,918	30,200	1,435	110
Scott	59,764	38,028	51,700	18,649	226
Shelby	5,611	3,831	33,800	1,387	118
Sioux	10,414	7,788	40,000	2,127	123
Story	25,154	13,812	55,100	9,853	208
Tama	7,716	5,423	32,400	1,663	124
Taylor	3,682	2,505	21,200	779	100
Union	5,748	3,973	28,400	1,341	130
Van Buren	3,484	2,570	19,600	625	100
Wapello	16,350	12,039	25,900	3,397	151
Warren	12,177	9,062	51,300	2,451	185
Washington	7,693	5,400	37,000	1,813	145
Wayne	3,852	2,585	19,900	730	100
Webster	17,799	11,855	39,500	5,031	162
Winnebago	5,251	3,623	36,200	1,222	129
Winneshiek	7,420	5,160	38,800	1,903	144
Woodbury	39,022	25,993	35,600	10,639	170
Worth	3,724	2,686	33,300	766	119
Wright	6,945	4,490	34,500	1,735	126

Source: U.S. Department of Commerce, Bureau of the Census, 1980 Census of Housing, "Selected Housing Characteristics, by States and Counties."

Income

Per Capita Personal Income

	1970	1975	1980	1981	1982r	1983r	1984p
Illinois	$4,507	$6,735	$10,470	$11,621	$12,012	$12,401	$13,728
Indiana	3,772	5,609	8,900	9,760	10,057	10,570	11,799
IOWA	3,751	5,894	9,335	10,733	10,638	10,697	12,090
Kansas	3,853	5,958	9,943	11,222	11,743	12,102	13,319
Minnesota	3,859	5,779	9,691	10,683	11,277	11,901	13,219
Missouri	3,781	5,476	8,720	9,767	10,469	11,029	12,129
Nebraska	3,789	5,882	9,139	10,311	10,885	11,175	12,280
Ohio	4,020	5,778	9,431	10,278	10,664	11,218	12,314
South Dakota	3,123	5,009	8,028	9,220	9,366	9,851	11,049
Wisconsin	3,812	5,616	9,344	10,238	10,777	11,311	12,309
U.S.	3,966	5,861	9,503	10,582	11,113	11,687	12,707



U.S. Department of Commerce, Bureau of Economic Analysis.

r = Revised.
p = Preliminary.
Source: Survey of Current Business, April 1985, U.S. Department of Commerce.

Total personal income (billions)

	1970	1975	1980	1981	1982r	1983r	1984p
Illinois	$50.15	$75.42	$119.70	$132.92	$137.73	$142.44	$158.02
Indiana	19.62	29.80	48.85	53.49	55.14	57.92	64.87
IOWA	10.62	16.82	27.19	31.30	30.91	31.07	35.18
Kansas	8.67	13.58	23.54	26.81	28.27	29.35	32.47
Minnesota	14.72	22.66	39.57	43.95	46.61	49.32	55.01
Missouri	17.73	26.10	42.94	48.23	51.73	54.82	60.74
Nebraska	5.64	9.08	14.36	16.30	17.30	17.85	19.72
Ohio	42.87	62.03	101.86	110.90	114.87	120.54	132.40
South Dakota	2.09	3.41	5.54	6.38	6.50	6.89	7.80
Wisconsin	16.88	25.77	44.18	48.48	51.14	53.70	58.67

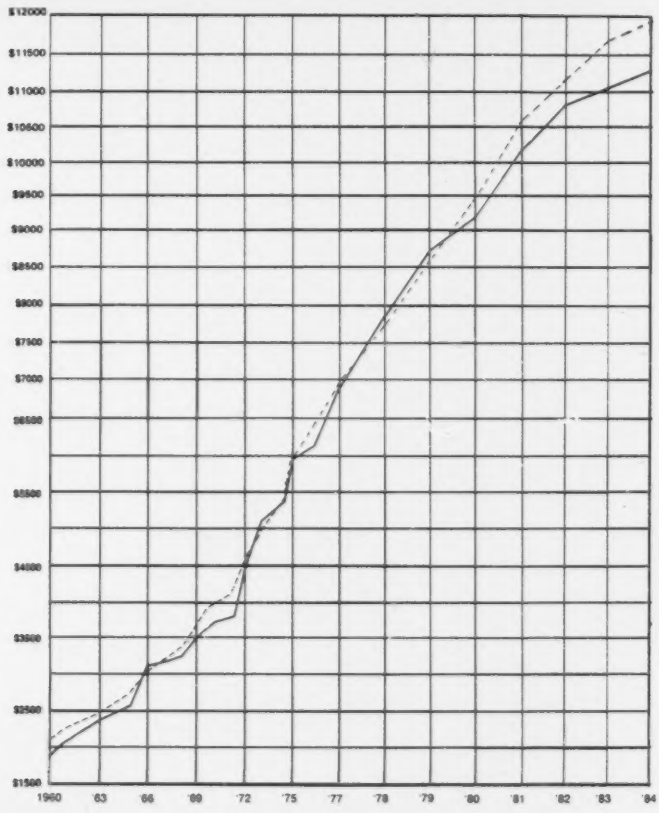
r = Revised.
p = Preliminary.
Source: Survey of Current Business, April, 1985, U.S. Department of Commerce.

Personal income by source, 1984 (millions)

Income by place of work	Illinois	Indiana	IOWA	Kansas	Minnesota	Missouri	Nebraska	Ohio	South Dakota	Wisconsin
Total labor and proprietors income	$113,636	$46,424	$23,501	$21,993	$37,101	$44,516	$14,011	$ 95,408	$5,251	$41,797
By type										
Wages and salaries	94,249	38,012	17,143	17,076	33,030	36,760	10,592	80,191	3,508	33,637
Other labor income	10,123	4,638	1,971	1,944	3,628	4,082	1,125	9,216	378	3,949
Proprietors income	9,264	3,775	4,386	2,973	4,086	3,675	2,294	6,001	1,365	4,211
Farm	2,578	1,145	2,126	1,012	1,499	592	1,078	1,025	821	1,783
Nonfarm	6,686	2,630	2,260	1,961	2,587	3,082	1,216	4,976	544	2,428
By industry										
Farm	2,896	1,334	2,462	1,300	1,843	794	1,374	1,233	944	2,247
Nonfarm	110,740	45,090	21,039	20,693	38,900	43,722	12,636	94,175	4,307	39,551
Manufacturing	28,444	17,479	5,578	4,605	10,233	11,136	2,100	33,513	557	13,704
Mining	1,111	387	49	601	303	195	55	951	80	48
Construction	5,415	2,168	1,067	1,218	2,119	2,476	696	4,146	245	1,792
Wholesale trade	9,306	2,495	1,718	1,607	3,170	3,229	1,066	5,908	361	2,443
Retail trade	9,971	4,232	2,198	2,032	3,927	4,302	1,306	8,638	527	3,705
Finance insurance and real estate	9,018	2,081	1,384	1,164	2,528	2,643	959	4,589	274	2,154
Transportation and public utilities	9,023	3,248	1,570	1,953	3,112	4,454	1,434	6,356	363	2,622
Services	23,176	7,117	3,992	3,829	7,707	8,833	2,452	17,609	925	7,092
Government and government enterprises	15,001	5,773	3,384	3,606	5,667	6,329	2,509	12,216	949	5,839
Derivation of personal income by place of residence										
Total labor and proprietors income by place of work	113,636	46,424	23,501	21,993	37,101	44,516	14,011	95,408	5,251	41,797
Less: Personal contributions for social insurance by place of work	6,752	2,734	1,419	1,341	2,619	2,694	837	5,736	316	2,380
Plus: Adjustment for residence	148	831	227	780	-152	-1,959	-264	-852	14	618
Equals: Net earnings by place of residence	107,031	44,521	22,308	21,432	37,972	39,862	12,910	88,820	4,949	40,036
Plus: Dividends, interest & rent	31,466	11,436	8,254	6,830	10,549	12,379	4,574	23,977	1,770	11,170
Plus: Transfer payments	20,378	8,461	4,819	4,037	6,609	8,606	2,478	20,045	1,094	8,247
Total personal income by place of residence	158,876	64,418	35,382	32,300	55,129	60,847	19,962	132,842	7,813	59,453

Source: Survey of Current Business, August 1985, U.S. Department of Commerce.

U.S./Iowa per capita income



IOWA —
U.S. .....

	U.S.	IOWA
1960	$2,222	$1,983
1965	2,785	2,754
1970	3,966	3,751
1971	4,195	3,865
1972	4,537	4,297
1973	4,980	5,168
1974	5,428	5,329
1975	5,852	5,867
1976	6,402	6,123
1977	6,971	6,984
1978	8,041	7,776
1979	8,812	8,657
1980	9,335	9,503
1981	10,733	10,582
1982r	10,638	11,113
1983r	10,697	11,687
1984p	12,090	12,707

r = Revised.
p = Preliminary.
Source: Survey of Current Business, April, 1985, U.S. Department of Commerce, Bureau of Economic Analysis.

Trend in state personal income by source (millions)

	1965	1970	1975	1980	1981	1982[r]	1983[r]	1984
Total labor & proprietors income	$7,522	$10,609	$12,429	$19,120	$21,328	$20,208	$19,788	$23,501
By Type:								
Wage & salary disbursements	3,876	5,808	8,992	14,930	15,879	15,862	16,199	17,143
Other labor income	198	333	735	1,436	1,543	1,633	1,778	1,971
Proprietors income	1,884	2,114	2,702	2,754	3,906	2,712	1,811	4,386
Farm	1,133	1,287	1,601	904	2,153	932	−138	2,126
Nonfarm	751	827	1,101	1,849	1,753	1,780	1,949	2,260
By Industry:								
Farm	N/A	N/A	1,777	N/A	N/A	1,301	185	2,462
Nonfarm	N/A	N/A	10,652	17,959	18,861	18,906	19,603	21,309
Manufacturing	1,233	1,791	3,044	1,161	2,467	5,141	5,167	5,578
Durables	N/A	1,019	(D)	5,253	5,559	3,163	3,126	3,470
Nondurables	N/A	773	(D)	3,382	3,550	1,978	2,041	2,107
Mining	19	26	50	1,871	2,009	41	41	49
Contract construction	229	367	733	50	43	957	949	1,067
Wholesale & retail trade	736	1,076	2,072	1,236	1,102	3,568	3,651	3,916
Wholesale trade	N/A	N/A	936	3,440	3,542	1,597	1,584	1,718
Retail trade	N/A	N/A	1,136	1,523	1,587	1,971	2,067	2,198
Finance, insurance & real estate	185	283	567	1,917	1,955	1,154	1,276	1,384
Transportation, communication & utilities	309	418	814	1,062	1,103	1,474	1,506	1,570
Services	409	653	1,518	1,357	1,430	3,417	3,671	3,992
Other industries	12	15	41	2,828	3,128	N/A	N/A	N/A
Government	678	1,098	1,711	2,661	2,873	3,066	3,250	3,384
Federal, civilian	139	213	262	388	419	436	466	489
Federal, military	17	18	33	42	38	44	54	59
State & local	523	867	1,417	2,231	2,416	2,585	2,730	2,836
Personal contributions for social insurance	154	331	637	1,080	1,215	1,272	1,304	1,419
Dividends, interest & rent	1,188	1,639	2,836	5,549	6,541	7,355	7,316	8,254
Transfer payments	542	1,047	2,037	3,465	3,897	4,450	4,740	4,819
Personal income by place of residence	N/A	N/A	16,783	28,193	30,699	30,949	30,733	35,382

r = Revised
N/A = Not Available.
Source: Survey of Current Business, August, 1985, U.S. Department of Commerce.

Per capita income distribution

County	Total Personal Income (Millions of Dollars) 1981r	1982r	1983	Per Capita Personal Income (Dollars) 1981r	1982r	1983
IOWA	$30,645	$30,914	$31,071	$10,504	$10,638	$10,697
Adair	83	79	75	8,835	8,550	8,151
Adams	54	53	51	9,543	9,458	9,006
Allamakee	124	124	115	8,227	8,314	7,628
Appanoose	127	127	130	8,258	8,339	8,505
Audubon	86	81	71	10,082	9,679	8,529
Benton	249	238	231	10,475	10,178	9,848
Black Hawk	1,519	1,528	1,527	10,978	11,063	11,099
Boone	272	271	267	10,386	10,414	10,331
Bremer	259	254	245	10,396	10,200	9,851
Buchanan	208	206	199	9,057	8,942	8,583
Buena Vista	238	220	223	11,459	10,558	10,833
Butler	172	165	154	9,701	9,404	8,769
Calhoun	161	147	135	11,920	11,038	10,273
Carroll	249	254	249	10,832	11,177	10,870
Cass	180	177	176	10,668	10,449	10,493
Cedar	197	194	183	10,574	10,500	9,795
Cerro Gordo	528	538	548	10,931	11,154	11,390
Cherokee	166	158	151	10,299	9,875	9,521
Chickasaw	147	141	136	9,531	9,278	8,869
Clarke	75	75	77	8,683	8,590	8,884
Clay	214	205	204	10,953	10,622	10,549
Clayton	187	184	178	8,928	8,809	8,480
Clinton	596	598	585	10,487	10,536	10,359
Carwford	191	188	185	9,994	9,820	9,624
Dallas	325	326	330	11,001	11,082	11,178
Davis	69	69	72	7,464	7,467	7,788
Decatur	71	71	71	7,287	7,426	7,671
Delaware	162	161	148	8,505	8,534	7,745
Des Moines	472	479	486	10,227	10,499	10,699
Dickinson	166	165	167	10,606	10,496	10,690
Dubuque	922	925	945	9,821	9,906	10,257
Emmet	149	136	128	11,201	10,303	10,027
Fayette	233	224	212	9,173	8,921	8,492
Floyd	192	188	182	9,976	9,781	9,551
Franklin	141	130	117	10,860	10,180	9,030
Fremont	107	99	98	11,611	10,713	10,593
Greene	143	134	127	11,838	11,275	10,639
Grundy	165	155	142	11,707	11,019	10,210
Guthrie	115	112	108	9,675	9,624	9,364
Hamilton	209	200	196	11,714	11,302	11,135
Hancock	153	142	132	11,126	10,346	9,662
Hardin	245	241	226	11,274	11,139	10,576
Harrison	154	148	143	9,489	9,188	8,894
Henry	180	185	188	9,586	9,913	10,083
Howard	103	96	88	9,234	8,726	7,997
Humboldt	148	141	134	12,146	11,708	11,256
Ida	96	90	84	10,933	10,305	9,521
Iowa	164	162	162	10,629	10,597	10,646
Jackson	193	194	197	8,601	8,689	8,793

County	Total Personal Income (Millions of Dollars) 1981r	1982r	1983	Per Capita Personal Income (Dollars) 1981r	1982r	1983
Jasper	$ 374	$ 379	$ 386	$10,291	$10,493	$10,732
Jefferson	143	138	145	8,853	8,469	8,837
Johnson	824	873	929	9,968	10,423	11,141
Jones	181	179	178	8,753	8,823	8,635
Keokuk	123	125	127	9,585	9,870	10,145
Kossuth	239	219	201	11,053	10,156	9,369
Lee	426	426	438	9,935	9,963	10,242
Linn	1,913	1,996	2,065	11,245	11,823	12,207
Louisa	113	111	106	9,279	9,150	8,755
Lucas	99	103	107	9,541	9,993	10,463
Lyon	125	118	105	9,775	9,302	8,212
Madison	121	121	120	9,555	9,637	9,447
Mahaska	214	215	217	9,352	9,441	9,524
Marion	309	315	328	10,353	10,495	10,929
Marshall	467	477	484	11,190	11,382	11,626
Mills	139	138	137	10,253	10,178	10,096
Mitchell	122	116	108	10,111	9,688	9,016
Monona	119	112	105	10,293	9,703	9,204
Monroe	81	81	82	8,800	8,923	9,160
Montgomery	142	141	141	10,598	10,668	10,829
Muscatine	471	491	492	11,533	11,800	11,832
O'Brien	196	188	178	11,549	11,117	10,592
Osceola	95	87	83	11,440	10,622	10,028
Page	182	182	182	9,579	9,645	9,740
Palo Alto	143	131	125	11,255	10,519	9,991
Plymouth	242	237	223	9,789	9,692	9,150
Pocahontas	140	125	111	12,477	11,269	10,089
Polk	3,678	3,893	4,111	12,003	12,714	13,273
Pottawattamie	866	895	920	9,998	10,299	10,533
Poweshiek	205	205	207	10,644	10,770	10,924
Ringgold	53	51	50	8,703	8,504	8,586
Sac	156	147	135	11,120	10,674	9,923
Scott	1,787	1,872	1,884	11,081	11,610	11,703
Shelby	152	148	143	10,152	10,006	9,707
Sioux	296	289	277	9,601	9,328	8,884
Story	680	711	741	9,380	9,790	10,294
Tama	195	197	191	9,973	10,193	9,850
Taylor	70	69	69	8,452	8,119	8,202
Union	133	141	141	9,608	10,154	10,220
Van Buren	67	68	71	7,824	8,001	8,261
Wapello	380	392	399	9,460	9,896	10,080
Warren	358	370	387	10,130	10,524	10,876
Washington	224	227	222	11,068	11,298	11,071
Wayne	74	71	74	9,126	8,745	9,102
Webster	503	494	484	11,009	10,937	10,954
Winnebago	138	136	137	10,862	10,713	10,737
Winneshiek	179	183	171	8,149	8,338	7,691
Woodbury	1,055	1,074	1,112	10,436	10,652	11,064
Worth	91	85	77	10,078	9,488	8,650
Wright	203	196	187	12,594	12,309	11,779

r = Revised.
Source: Survey of Current Business, April, 1985, U.S. Department of Commerce.

Personal and per capita income[1], MSAs

	Per Capita Personal Income					Total Personal Income[1] (millions)				
	1979	1980	1981r	1982r	1983	1979	1980r	1981r	1982r	1983
Cedar Rapids	$ 9,871	$10,635	$11,245	$11,823	$12,207	$1,657	$1,809	$1,913	$1,996	$2,065
Davenport, Rock Island, Moline	9,568	10,362	11,427	11,538	11,612	3,983	11,612	4,415	4,426	4,464
Des Moines	10,162	10,834	11,745	12,377	12,280	3,421	3,986	4,361	4,589	4,828
Dubuque	8,877	9,488	9,821	9,996	10,257	829	889	922	925	945
Iowa City	8,146	8,754	9,968	10,423	11,141	663	718	824	873	929
Omaha, Council Bluffs	9,029	9,934	10,916	11,624	12,105	5,176	5,818	6,424	6,915	7,307
Sioux City	8,580	9,373	10,305	10,441	10,842	1,019	1,098	1,217	1,231	1,276
Waterloo, Cedar Falls	9,420	9,989	10,889	10,931	10,908	1,283	1,630	1,778	1,782	1,773

r = revised.
[1]Reflects income at place of residence.
Source: Survey of Current Business, April 1985, U.S. Department of Commerce.

Earnings by industrial source, MSA (thousands of dollars)

Income by Place of Residence	Cedar Rapids	Davenport Rock Island Moline	Des Moines	Dubuque	Iowa City	Omaha Council Bluffs	Sioux City	Waterloo Cedar Falls
Total Personal Income	$2,065,079	$4,464,142	$4,828,214	$944,603	$928,674	$7,306,968	$1,276,142	$1,772,879
Nonfarm	2,063,395	4,474,860	4,827,236	946,524	934,898	7,271,289	1,276,674	1,778,075
Farm Income	1,684	-10,718	978	-1,921	-6,224	35,679	-532	-5,196
Per capita personal income (dollars)	12,207	11,612	12,880	10,257	11,141	12,105	10,842	10,908
Derivation of total personal income:								
Total earnings by place of work	1,576,254	3,186,752	3,771,073	751,062	726,892	5,740,464	924,904	1,317,749
Less: Personal contributions for social insurance	103,157	200,238	247,684	50,648	38,907	376,358	63,196	85,999
Plus: Adjustment for residence	-83,650	-114,178	-174,314	-113,784	-27,166	-203,092	-42,588	-73,572
Equals: Net income by place of residence	1,389,447	2,872,336	3,349,075	586,630	660,819	5,161,014	819,120	1,158,178
Plus: Dividends, interest, and rent	425,033	922,178	868,711	212,627	171,048	1,250,339	257,076	351,420
Plus: Transfer payments	250,599	669,628	610,428	145,346	96,807	895,615	199,946	263,281
Earnings by Place of Work								
Earnings by type:								
Wages and salaries	1,334,379	2,743,843	3,162,452	627,094	641,579	4,838,936	751,844	1,119,543
Other labor income	151,262	294,046	326,699	72,301	51,369	478,289	87,674	124,966
Proprietor's income	90,613	148,863	281,922	51,667	33,944	423,239	85,386	73,240
Farm	-2,998	-21,047	-9,486	-5,247	-10,027	20,303	-6,485	-13,456
Nonfarm	93,611	169,910	291,408	56,914	43,971	402,936	91,871	86,696
Earnings by industry:								
Farm	1,684	-10,718	978	-1,921	-6,224	35,679	532	-5,196
Nonfarm	1,574,570	3,197,470	3,770,095	752,983	733,116	5,704,785	925,436	1,322,945
Private	1,408,366	2,596,958	3,221,031	689,566	381,977	4,621,492	816,623	1,145,691
Agricultural services, forestry, fisheries, etc.	2,550	7,517	10,810*	D	D	9,395*	D	D
Mining	3,912	D	2,736*	D	D	D	D	D
Construction	67,936	115,956	170,069	30,261	34,157	290,748	45,363	D
Manufacturing	588,043	1,026,713	587,224	303,456	87,350	768,181	232,940	551,835
Nondurable goods	194,897	165,613	386,393	71,433	68,382	375,747*	184,112	84,321
Durable goods	393,146	861,100	200,831	232,023	18,968	378,410*	48,828	467,514
Transportation and public utilities	108,779	D	329,074	47,522	25,366	775,316	98,076	64,868
Wholesale trade	107,771	238,586	382,936	41,376	25,127	514,587	D	D
Retail trade	153,103	325,935	366,221	71,118	69,939	528,349	95,938	118,492
Finance, insurance and real estate	97,334	152,682	524,148	24,753	22,381	532,655	52,437	59,700
Services	278,938	496,709	846,735	167,962	114,740	1,095,227	213,564	229,394
Government and government enterprises	166,204	600,512	549,064	63,417	351,139	1,083,293	108,813	177,254
Federal, civilian	26,123	289,724	140,067	8,602	31,544	216,996	23,354	15,649
Military	3,121	15,714	9,690	2,351	2,448	286,362	2,309	3,092
State and Local	136,960	295,074	399,307	52,464	317,147	579,935	83,150	158,513

* The estimate shown here constitutes the major portion of the true estimate.
D = Data not shown to avoid disclosure.
Source: Local Area Personal Income, 1978-1983, U.S. Department of Commerce.

Effective buying income* for Iowa counties, 1984

County	Total EBI ($000)	Median Hsld. EBI	Percent of Households by EBI Group $10,000 To $19,999	$20,000 To $34,999	$35,000 To $49,999	$50,000 & OVER
Adair	79,462	17,547	32.0%	27.9%	9.3%	5.4%
Adams	43,978	17,848	31.2	32.2	8.2	3.1
Allamakee	107,268	17,080	31.7	30.2	9.3	2.3
Appanoose	120,295	15,989	31.1	28.2	8.7	2.4
Audubon	59,399	15,837	39.5	25.7	5.4	3.7
Benton	226,102	23,009	23.5	35.3	16.1	5.9
Black Hawk	1,577,588	28,599	18.6	32.3	23.0	12.5
Boone	281,777	24,808	23.4	31.8	19.8	9.2
Bremer	261,212	26,394	21.2	34.0	19.6	10.1
Buchanan	203,688	22,236	25.8	33.3	15.3	6.4
Buena Vista	186,675	19,706	29.6	32.4	11.2	5.6
Butler	147,450	20,374	26.9	35.8	10.5	4.8
Calhoun	110,978	18,930	29.8	30.2	11.1	5.5
Carroll	209,403	21,944	27.7	34.8	13.8	6.8
Cass	158,634	19,525	29.1	31.8	11.5	5.3
Cedar	177,549	22,503	24.9	35.0	14.7	6.2
Cerro Gordo	537,948	24,956	23.4	32.5	18.6	9.6
Cherokee	140,547	19,065	30.5	30.2	11.0	6.2
Chickasaw	120,886	19,819	28.0	34.2	10.9	4.3
Clarke	65,948	16,299	31.7	28.3	8.3	2.7
Clay	204,547	21,831	27.2	32.0	14.3	8.6
Clayton	164,918	17,213	31.3	29.3	8.5	4.0
Clinton	565,519	25,621	21.4	35.9	20.8	7.0
Crawford	155,575	19,826	27.3	33.6	11.6	4.3
Dallas	307,385	24,277	23.8	35.9	17.3	6.9
Davis	68,659	17,321	26.4	30.1	8.7	4.7
Decatur	67,971	15,667	29.9	28.4	7.7	2.5
Delaware	158,998	21,643	25.0	34.7	14.1	5.6
Des Moines	506,546	25,453	21.9	32.6	20.3	9.0
Dickinson	183,859	24,045	24.9	34.8	16.2	9.6
Dubuque	908,622	26,251	20.9	34.1	20.5	8.7
Emmet	117,243	20,778	26.8	35.2	11.7	5.1
Fayette	210,734	19,674	28.5	32.2	11.9	5.0
Floyd	167,187	20,709	26.6	34.1	13.8	4.3
Franklin	129,267	21,972	25.2	35.1	14.1	6.1
Fremont	88,967	20,257	26.8	30.9	13.5	6.4
Greene	118,005	21,302	26.2	31.4	14.5	7.2
Grundy	157,222	26,076	21.8	35.1	18.5	10.6
Guthrie	94,957	17,557	29.5	29.9	9.7	3.4
Hamilton	172,009	21,920	26.8	35.5	12.6	7.4
Hancock	133,217	21,680	27.8	36.5	12.0	6.1
Hardin	190,596	20,352	27.7	34.7	11.2	5.1
Harrison	126,501	18,097	28.4	30.2	10.7	3.7
Henry	186,713	23,005	24.7	35.4	15.5	7.4
Howard	90,639	18,099	29.2	30.0	10.0	4.8
Humboldt	115,566	19,888	30.7	34.4	10.6	4.7
Ida	74,065	17,673	31.8	30.2	8.0	4.9
Iowa	152,835	23,794	23.7	38.1	14.9	6.8
Jackson	194,862	21,401	24.5	37.0	10.9	5.5
Jasper	373,190	24,332	23.3	36.4	17.9	6.9
Jefferson	159,367	21,677	25.3	32.4	14.0	8.0
Johnson	1,024,435	25,467	21.9	29.1	18.2	14.6
Jones	185,194	23,212	23.7	33.4	18.4	5.6
Keokuk	108,748	18,912	29.3	30.4	10.7	5.4
Kossuth	183,452	19,834	28.8	32.6	11.5	5.4
Lee	458,249	24,989	22.3	32.1	19.4	10.0
Linn	2,063,050	29,295	18.1	33.0	25.0	11.9
Louisa	126,651	25,375	21.6	34.8	18.8	8.9
Lucas	91,207	18,072	28.5	28.8	12.3	4.1
Lyon	90,828	17,185	31.7	30.0	6.3	4.6
Madison	106,131	20,661	24.3	34.1	12.8	4.9
Mahaska	212,301	20,512	27.0	33.8	11.9	5.7
Marion	301,542	24,606	22.9	35.3	18.1	8.1
Marshall	480,828	27,242	21.1	32.8	22.1	10.7
Mills	134,161	23,794	24.4	36.5	16.6	7.3
Mitchell	103,221	18,128	30.9	27.9	10.8	6.2
Monona	88,185	16,773	32.1	28.2	7.8	3.3
Monroe	80,853	20,163	28.6	31.3	14.5	4.7
Montgomery	133,933	21,285	26.9	33.6	14.9	5.0
Muscatine	478,954	28,686	18.4	29.8	21.6	15.5
O'Brien	141,798	18,876	29.9	31.1	10.3	5.3
Osceola	65,947	17,906	32.3	29.7	10.4	3.6
Page	180,395	20,072	28.4	32.2	12.8	5.2
Palo Alto	106,904	18,712	31.2	30.4	11.4	4.4
Plymouth	212,030	19,959	29.3	33.4	9.9	6.6
Pocahontas	101,854	20,273	28.8	31.6	11.8	7.5
Polk	3,970,350	28,741	19.5	31.0	22.4	14.5
Pottawattamie	920,930	25,854	21.8	32.3	20.6	10.0
Poweshiek	191,683	23,676	23.7	34.2	17.5	7.2
Ringgold	41,623	13,494	30.4	22.6	6.5	3.3
Sac	110,680	17,757	34.9	31.2	7.3	4.2
Scott	1,971,207	29,842	18.0	31.4	24.5	14.0
Shelby	130,695	20,594	29.4	34.3	11.5	6.0
Sioux	242,910	20,054	30.4	36.2	9.4	4.6
Story	813,191	26,565	21.8	29.8	21.1	12.7
Tama	167,287	21,411	25.7	34.4	14.3	5.0
Taylor	58,660	14,829	33.8	24.0	7.2	2.6
Union	131,713	20,513	26.1	31.5	14.1	5.8
Van Buren	57,870	15,000	31.2	27.1	6.4	2.3
Wapello	391,751	21,612	26.1	31.9	15.7	6.3
Warren	388,670	28,832	19.5	34.1	24.6	10.0
Washington	197,352	21,495	27.3	31.4	14.6	7.9
Wayne	54,504	13,557	35.0	21.3	5.6	1.9
Webster	430,846	22,345	25.5	32.8	15.8	7.1
Winnebago	143,921	24,250	24.8	34.8	18.3	8.3
Winneshiek	199,642	20,974	28.4	29.9	14.2	8.4
Woodbury	1,009,680	23,426	23.6	32.1	17.2	8.4
Worth	84,986	20,791	30.4	34.2	12.9	5.3
Wright	191,866	26,381	20.2	31.2	19.3	14.1
TOTAL STATE	30,325,396	23,963	23.6	32.3	17.7	9.2

*Effective Buying Income (EBI) is personal income less personal tax and nontax payments. Personal income is the aggregate of wages and salaries, other labor income, proprietor's income, rental income, dividends paid by corporations, personal interest income from all sources and transfer payments. Deducted from this total are personal taxes (federal, state and local) nontax payments (such as fines, fees, penalties and social insurance).
Source: 1985 Survey of Buying Power, Sales and Marketing Management, July 22, 1985.

Midwest taxable payrolls, 1983

	Number of Employees Week of March 12	Annual Taxable Payroll ($1000)	Estimated Weekly Payroll Per Employee
IOWA	805,286	$12,133,375	$289.75
Minnesota	1,403,412	24,152,724	330.96
South Dakota	165,181	2,136,700	248.76
Nebraska	466,920	6,938,309	285.76
Kansas	713,931	11,303,802	304.48
Missouri	1,591,215	26,919,782	325.34
Illinois	3,809,095	71,065,950	358.79
Wisconsin	1,493,482	24,440,023	314.70
Indiana	1,637,130	28,208,348	331.35
Ohio	3,376,613	60,724,456	345.84
North Dakota	172,404	2,432,637	271.35

Source: 1983 County Business Patterns, U.S. Department of Commerce, Bureau of the Census.

Iowa taxable payrolls

County	1982			1983		
	Number of establishments	Number of employees for week including March 12	Payroll Annual ($000)	Number of establishments	Number of employees for week including March 12	Payroll Annual ($000)
Total	65,546	834,966	$12,021,056	72,437	805,286	$12,133,375
Adair	223	1,558	17,845	244	1,608	18,316
Adams	111	1,192	13,650	123	1,271	15,437
Allamakee	356	3,104	31,852	383	2,852	29,215
Appanoose	302	2,746	33,104	337	2,638	32,818
Audubon	208	1,343	12,338	237	1,395	12,497
Benton	493	2,989	34,848	540	2,961	35,667
Black Hawk	2,781	46,858	854,321	3,063	43,608	786,794
Boone	524	4,546	55,732	561	4,523	60,665
Bremer	509	5,390	70,519	557	5,461	77,535
Buchanan	432	2,934	33,325	472	2,787	32,044
Buena Vista	567	5,229	63,394	630	5,158	62,326
Butler	359	1,784	17,326	387	1,787	18,084
Calhoun	322	2,027	20,824	350	1,931	21,637
Carroll	677	6,303	78,587	740	6,378	82,420
Cass	487	4,011	43,631	540	3,853	44,925
Cedar	415	2,842	32,595	459	2,708	31,612
Cerro Gordo	1,358	17,160	221,605	1,466	15,994	221,198
Cherokee	374	3,636	51,662	413	3,802	49,990
Chickasaw	356	3,106	41,405	396	2,920	38,333
Clarke	191	1,880	22,363	218	1,812	21,901
Clay	606	6,010	73,486	651	5,669	71,263
Clayton	483	3,436	35,956	528	3,357	38,278
Clinton	1,096	16,943	232,503	1,201	15,692	233,246
Crawford	446	4,811	66,482	489	4,345	56,550
Dallas	569	4,760	65,349	614	4,671	68,618
Davis	161	1,071	11,337	186	1,005	11,307
Decatur	181	2,128	16,067	186	1,813	16,548
Delaware	380	2,857	34,638	425	2,673	35,099
Des Moines	1,102	17,072	255,515	1,215	16,106	261,711
Dickinson	428	3,575	41,008	538	3,553	46,296
Dubuque	1,993	37,004	600,672	2,209	33,269	547,169
Emmet	281	2,949	36,611	309	2,479	31,076
Fayette	617	4,884	54,331	665	4,470	53,432
Floyd	430	4,645	65,229	465	4,110	56,494
Franklin	331	2,663	34,642	355	2,458	31,269
Fremont	184	1,223	13,724	210	1,230	13,117
Greene	279	2,017	23,682	320	2,005	23,901
Grundy	317	2,349	26,959	348	2,269	27,964
Guthrie	231	1,396	12,428	271	1,388	13,798
Hamilton	444	4,462	52,551	490	4,477	55,978
Hancock	318	2,381	29,230	353	2,459	30,846
Hardin	607	5,217	64,365	671	5,112	66,069
Harrison	299	2,205	21,889	338	2,151	21,529
Henry	448	4,658	57,793	473	4,785	61,227
Howard	271	1,754	19,608	294	1,639	18,813
Humboldt	320	2,393	27,429	350	2,284	27,435
Ida	225	1,762	22,547	248	1,899	24,211
Iowa	375	4,710	64,887	415	5,589	74,941
Jackson	451	3,448	32,941	512	3,285	34,391
Jasper	706	9,151	140,724	783	8,726	153,459
Jefferson	359	4,157	50,134	416	3,705	51,393
Johnson	1,625	19,952	251,183	1,844	20,580	275,138

Iowa taxable payrolls (continued)

County	1982			1983		
	Number of establishments	Number of employees for week including March 12	Payroll Annual ($000)	Number of establishments	Number of employees for week including March 12	Payroll Annual ($000)
Jones	434	3,367	36,255	483	3,286	37,245
Keokuk	270	1,590	17,216	301	1,451	16,492
Kossuth	553	4,763	56,757	615	4,698	60,022
Lee	982	14,088	206,123	1,053	13,070	212,941
Linn	3,741	70,878	1,157,203	4,176	68,149	1,175,119
Louisa	204	1,683	19,238	223	1,362	16,698
Lucas	197	2,222	31,278	213	2,120	32,940
Lyon	280	1,603	17,529	294	1,533	17,181
Madison	240	1,609	16,285	267	1,617	16,828
Mahaska	512	4,633	51,260	553	4,745	56,042
Marion	580	8,260	109,455	642	7,991	128,032
Marshall	886	14,286	224,802	980	13,142	224,253
Mills	219	2,015	22,628	242	2,033	22,990
Mitchell	288	1,969	20,551	327	1,914	21,009
Monona	295	2,008	19,753	315	1,936	20,336
Monroe	178	1,657	19,434	188	1,266	14,656
Montgomery	343	3,418	40,939	369	3,342	43,210
Muscatine	863	15,694	270,323	978	14,955	269,910
O'Brien	507	3,804	38,997	561	3,524	37,366
Osceola	207	1,392	15,387	219	1,434	15,853
Page	509	4,948	58,336	563	5,031	64,561
Palo Alto	298	1,914	20,980	326	2,057	20,429
Plymouth	538	5,015	60,519	605	5,039	62,497
Pocahontas	331	2,349	24,140	365	2,249	24,783
Polk	8,089	148,184	2,391,502	9,037	146,535	2,472,327
Pottawattamie	1,503	18,111	218,339	1,681	18,378	245,228
Poweshiek	445	5,764	76,186	485	5,439	79,448
Ringgold	124	947	8,600	134	877	7,645
Sac	399	2,282	26,479	420	2,218	24,025
Scott	3,399	56,392	936,028	3,776	53,777	933,354
Shelby	345	3,027	29,141	386	2,932	31,069
Sioux	781	7,923	85,431	856	7,837	87,815
Story	1,395	16,211	182,107	1,542	15,675	187,880
Tama	384	2,812	32,435	428	2,804	33,157
Taylor	161	1,182	10,101	178	1,077	9,309
Union	346	3,245	34,869	366	3,190	36,016
Van Buren	161	992	9,215	186	923	9,217
Wapello	739	10,739	172,320	819	9,518	161,164
Warren	463	3,916	38,553	548	3,961	40,782
Washington	522	4,342	51,253	576	4,155	52,936
Wayne	176	1,251	13,554	184	1,248	13,145
Webster	1,148	14,916	191,654	1,233	13,479	177,230
Winnebago	321	4,316	53,034	348	4,404	62,017
Winneshiek	493	4,623	56,706	554	5,469	60,350
Woodbury	2,459	34,718	496,448	2,709	33,780	507,609
Worth	166	1,006	10,336	187	1,021	11,173
Wright	439	3,736	45,977	459	3,567	44,717
Statewide	25	485	8,585	19	378	8,391

Source: County Business Patterns, 1983, U.S. Department of Commerce, Bureau of the Census.

Iowa employees and payroll by major industry group

Major Industry Groups	1982[r]			1983		
	Number of Employees (mid-March)	Taxable Payrolls (Annual $000)	Total Reporting Units	Number of Employees (mid-March)	Taxable Payrolls (Annual $000)	Total Reporting Units
Total	832,913	$11,880,811	65,546	805,286	$12,133,375	72,437
Agricultural Services	3,896	52,859	796	3,874	52,877	903
Mining	1,942	38,502	204	1,931	42,305	193
Contract Construction	33,843	666,946	5,725	30,794	618,210	6,313
Manufacturing	217,388	4,387,768	3,378	197,621	4,397,229	3,537
Transportation & Utilities	45,413	882,641	3,106	42,662	865,636	3,390
Wholesale Trade	71,628	1,202,095	7,388	68,929	1,208,646	7,630
Retail Trade	194,529	1,522,890	19,762	190,422	1,558,142	21,468
Finance, Insurance, Real Est.	61,623	975,162	5,789	62,370	1,044,558	6,212
Services	201,949	2,143,526	18,479	203,501	2,293,610	19,945
Unclassified Est.	702	8,425	919	3,182	52,163	2,842

* Establishment counts for 1983 include all establishments in business at any time during the year.
r = Revised.
Source: County Business Patterns, 1983, U.S. Department of Commerce, Bureau of Census.

Industry

Since Iowa is often considered an agricultural state, many people do not realize that industry generates about three times as much in total revenue as does agriculture.

Because Iowa workers are among the most highly educated, and are more productive than the national average, capital intensive, well-paying industries are attracted to the state. One hundred eighteen of *Fortune's* "Top 500" companies have manufacturing plants here.

Compared to the average American production worker, Iowans are 35% more productive. They put in the equivalent of 70.2 weeks a year, or 54 hours a week when compared with the national average.

This means the typical Iowa manufacturing worker produces $14,320 more value per year than his average counterpart throughout America.

Iowa workers work.

Fortune 500 in Iowa

Company	Rank
Air Products and Chemicals, Inc.	215
Aluminum Company of America	62
AMAX	153
American Can Company	124
American Cyanamid	100
American Home Products Corporation	78
American Standard	123
AMF, Inc.	288
Amsted Industries	408
Anheuser - Busch Inc.	53
Archer Daniels Midland	74
Armco, Inc.	82
Armstrong Rubber Company	390
Beatrice Foods Company	36
Butler Manufacturing Co.	494
Campbell Soup Co.	107
Caterpillar Tractor Company	52
Central Soya Company, Inc.	200
Cessna Aircraft	380
Champion International	70
Champion Spark Plug	348
Chevron	11
Coca-Cola	46
Con Agra	121
Crane Company	352
Dayco Corporation	331
Deere and Company	86
Deluxe Check Printers, Inc.	386
Dow Chemical Company	25
Dow Jones	308
Dresser Industries	104
E. I. du Pont de Nemours	7
Eaton Corporation	103
Emerson Electric	93
Ethyl Corporation	223
Federal Company	259
Firestone Tire and Rubber Company	95
FMC Corporation	119
Fruehauf Corporation	138
Gannett Company, Inc.	186
General Electric Company	9
General Foods Corporation	39
General Mills	64
General Motors	2
Georgia-Pacific Corporation	47
Goodyear Tire and Rubber	31
Grace, W. R., and Company	50
Gulf and Western Industries	77
Handy & Harman	411
Harsco	287
Heileman, G. Brewing Co.	277
Heinz, H. J., Company	98
Hormel, George A., and Company	240
I. C. Industries	90
International Harvestor	79
International Minerals & Chemicals	231
International Multifoods Corporation	293
International Paper Company	80
James River Corporation	158
Kaiser Aluminum & Chemical Corp.	114
Kidde, Inc.	157
Land O'Lakes, Inc.	161
Lear Siegler, Inc.	187
Libbey-Owens-Ford Company	213
Lipton, Thomas J.	284
Litton Industries	75
Longview Fibre Co.	466
Lukens, Inc.	500
MAPCO	175
Martin Marietta	85
Maytag Company, The	401
Mead Corporation	141
Meredith Corporation	482
Minnesota Mining and Manufacturing	45
Mobil Corporation	3
Monsanto Company	51
Motorola, Inc.	67
National Distillers & Chemical Corp.	168
National Gypsum	219
North American Phillips Corporation	88
Northwest Industries, Inc.	26
Occidental Petroleum	18
Parker-Hannifin Corporation	256
Pepsico, Inc.	40
Pfizer, Inc.	101
Proctor and Gamble	22
Quaker Oats Company	118
Ralston Purina Company	72
Raytheon	59
Rockwell International	37
Rubbermaid	432
Sara Lee Corporation	49
Scovill	345
Sealed Power	462
Sheller-Globe Corporation	349
Signal Companies	61
Snap-On Tools	442
Sonoco Products Company	368
Sperry Corporation	69
Square D Company	247
Standard Oil of Indiana	8
Sundstrand	298
Swift Independent Packing Company	135
Sybron Corporation	435
Tenneco, Inc.	19
Texaco	5
Textron, Inc.	122
Union Carbide Corporation	35
United Brands	117
United States Gypsum Company	156
United States Steel Corporation	15
Upjohn Company	166
Walter, Jim, Corporation	162
Weyerhaeuser Company	66
White Consolidated Industries	172
Wilson Foods Corporation	192
Wisconsin Dairies Cooperative	474
Witco Chemical Corporation	236

Source: Fortune, April 29, 1985; The 500 largest U.S. Industrial Corporations.

Value added per manufacturing worker

	1960	1965	1970	1975	1978	1983*	1984*
Illinois	$14,914	$18,858	$24,089	$39,225	$51,556	$52,100	$52,100
Indiana	14,134	18,218	22,197	34,696	47,433	45,300	43,500
IOWA	14,076	19,005	25,046	44,001	56,071	55,900	55,200
Kansas	15,224	19,056	24,805	36,159	46,514	44,200	42,300
Minnesota	15,129	19,621	24,312	37,607	47,800	40,800	37,800
Missouri	13,468	17,065	22,293	34,347	48,771	39,700	37,800
Nebraska	13,892	18,169	24,950	38,254	48,575	44,000	43,600
Ohio	15,155	19,082	23,544	37,201	50,796	45,500	44,400
South Dakota	12,170	14,827	19,025	26,488	41,022	36,400	33,900
Wisconsin	13,762	16,924	21,885	35,403	47,129	42,900	41,300
United States Average	13,431	17,355	22,193	35,065	46,184	42,260	40,880

Source: U.S. Department of Commerce — Bureau of Census.
*Inc.; October, 1984, p. 110; October, 1985, p. 92.

Industrial revenue bonds

Iowa law permits city and county governments to authorize revenue bonds for buildings, buying land and equipping plants. The table below shows bonds issued July 1984 through August 1985.

	City	Amount ($000)
July-Dec.	1984	
	Algona	110
	Altoona	40,000
	Ames	600
	Ames	250
	Bonaparte	7,750
	Boone	525
	Boyden	96
	Buffalo Center	87
	Camanche	300
	Carroll	1,000
	Cedar Rapids	300
	Cedar Rapids	800
	Cedar Rapids	800
	Clinton	1,000
	Conrad	100
	Council Bluffs	200
	Council Bluffs	1,500
	Council Bluffs	12,000
	Creston	450
	Davenport	280
	Davenport	65
	Delmar	224
	Des Moines	1,010
	Des Moines	2,000
	Des Moines	10
	Des Moines	2,500
	Des Moines	3,200
	Dubuque	325
	Dubuque	550
	Dubuque	240
	Dubuque	8,000
	Duncombe	152
	Dundee	10
	Dundee	60
	Edgewood	150
	Edgewood	200
	Ellsworth	202
	Estherville	50
	Fairfield	2,000
	Fairfield	90
	Farley	34
	Forest City	114
	Fort Dodge	700
	Fort Madison	82
	Galt	65
	Grinnell	600
	Hampton	70
	Ida Grove	1,000
	Inwood	40
	Kalona	29
	Knoxville	430
	Lake City	150
	Lake City	115
	Larchwood	12
	Le Mars	400
	Le Mars	275
	Le Mars	80
	Leon	2,000
	Little Rock	60
	Lone Tree	138
	Luana	240
	Maquoketa	7,500
	Marion	8,000
	Marshalltown	637
	Marshalltown	3,500
	Mason City	1,000
	Mason City	4,900
	Mason City	1,500
	Mason City	1,250
	Mason City	1,050
	Merrill	112
	Mitchellville	500
	Moscow	450
	Muscatine	315
	Muscatine	300
	Muscatine	250
	Muscatine	800
	Nashua	30
	Nevada	400
	New Hampton	142
	Newell	135
	Newell	20
	Newell	100
	Osceola	2,500
	Ottumwa	1,300
	Ottumwa	40
	Packwood	56
	Perry	350
	Reinbeck	80
	Remsen	2,000
	Ringsted	250
	Rock Valley	50
	Rock Valley	23
	Rodman	100
	Iowa City	400
	Jesup	75
	Lawton	210
	Manchester	36
	Maquoketa	50
	Marble Rock	16
	Marion	1,500
	County Issue	11,183
	North Liberty	650
	Northwood	135
	Northwood	100
	Osceola	850
	Stockton	30
	Storm Lake	35
	Storm Lake	75
	Urbandale	1,600
	Waterloo	800
	Waterloo	325
	Waterloo	190
	Webster City	75
	West Des Moines	1,400
	West Des Moines	50
	West Des Moines	3,200
	West Union	450
	Winterset	134
	Salem	250
	Scranton	40
	Sioux Center	40
	Sioux City	1,000
	Sioux City	350
	Sioux City	11
	Sioux City	3,800
	St. Ansgar	30
	St. Charles	50
	Thurman	142
	Tingley	95
	Traer	5,000
	Union	1,200
	Urbandale	1,500
	Waterloo	6,000
	Waterloo	700
	Waverly	650
	Waverly	191
	West Des Moines	441
	West Des Moines	2,500
	Williams	1,000
July-Dec.	1984 Total	160,450
Jan.-Aug.	1985	
	Ames	225
	Ames	500
	Castalia	12
	Cedar Rapids	850
	Cedar Rapids	180
	Centerville	10,000
	Coralville	1,200
	Davenport	100
	Davenport	3,760
	Des Moines	600
	Des Moines	8,000
	Des Moines	8,800
	Eddyville	320
	Eddyville	3,000
	Eddyville	100
	Ellsworth	202
	Fairfield	125
	Garrison	120
	Gladbrook	230
	Hamburg	9,800
	Hills	400
	Iowa City	600
	Iowa City	865
Jan.-Aug.	1985 Total	62,529

Source: Iowa Housing Finance Authority.

Open port warehousing

You can move goods into an Iowa warehouse, divide them, repackage them, label them—all without paying any property tax so long as the goods are destined for final delivery outside Iowa.

This is a tremendous advantage to a distributor of, say, consumer goods who ships to major geographic areas in bulk, but breaks shipments into smaller units for delivery into more limited market areas.

Industrial statistics, Iowa cities and counties

1982

	All establishments[1]		All employees[2]		Production workers			Value added by manufacture[3] (million dollars)	Cost of materials[4] (million dollars)	Value of shipments[4] (million dollars)	New capital expenditures (million dollars)
	Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)				
IOWA	**3,600**	**1,224**	**213.3**	**4,410.4**	**140.4**	**260.0**	**2,653.6**	**12,091.8**	**19,382.3**	**31,424.0**	**689.6**
Standard Metropolitan Statistical Areas											
Cedar Rapids	214	77	25.4	561.1	13.4	24.9	262.3	1,582.5	1,757.5	3,397.3	80.0
Davenport-Rock Island-Moline, Iowa-Ill.	432	158	40.6	1,048.7	24.7	43.1	565.7	2,310.4	2,988.3	5,346.2	227.0
Portion in Illinois	251	91	24.5	649.4	14.3	24.6	322.6	1,391.9	1,593.2	3,067.3	148.9
Portion in Iowa	181	67	16.1	399.3	10.4	18.5	243.1	918.5	1,395.1	2,278.9	78.1
Des Moines	441	130	22.2	477.2	12.8	24.0	256.8	1,160.6	1,908.8	3,093.3	64.2
Dubuque	131	51	11.9	278.8	7.4	13.2	161.6	632.2	876.4	1,393.9	23.0
Iowa City	71	22	3.3	62.3	2.2	3.8	38.9	451.0	309.1	763.6	17.1
Omaha, Nebr.-Iowa	673	252	34.1	668.3	23.6	44.9	400.0	1,762.9	3,725.1	5,508.3	76.6
Portion in Iowa	75	28	3.5	53.8	2.8	5.4	37.0	122.4	601.8	722.3	6.0
Portion in Nebraska	598	224	30.6	614.5	20.8	39.5	363.0	1,640.5	3,123.2	4,786.1	70.6
Sioux City, Iowa-Nebr.	131	60	10.5	173.9	6.9	13.3	91.1	310.0	1,857.0	2,161.2	14.5
Portion in Iowa	110	52	5.8	113.2	3.8	7.3	68.0	233.0	916.5	1,138.7	11.8
Portion in Nebraska	21	8	4.7	60.7	3.1	5.9	23.1	77.0	940.5	1,022.5	2.7
Waterloo-Cedar Falls	181	60	18.2	491.9	12.4	22.2	317.5	1,399.9	1,593.3	2,989.6	51.1
Counties											
Adair	12	1	.1	2.0	.1	.2	1.5	5.9	7.9	12.9	.2
Adams	7	2	.1	1.5	.1	.2	1.1	3.7	4.5	8.2	.2
Allamakee	22	6	.8	8.5	.6	1.1	6.1	22.9	42.3	65.2	.6
Appanoose	13	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Audubon	7	1	.1	1.5	.1	.1	.9	2.3	4.8	6.7	(Z)
Benton	24	5	.3	5.3	.2	.4	3.3	10.7	13.4	24.3	.6
Black Hawk	181	60	18.2	491.9	12.4	22.2	317.5	1,399.9	1,593.3	2,989.6	51.1
Boone	28	12	.9	13.7	.5	1.1	7.1	32.7	22.7	55.8	2.1
Bremer	37	12	1.1	21.1	.9	1.6	15.3	101.8	99.0	199.1	3.9
Buchanan	23	6	.6	7.4	.4	.6	5.1	22.2	59.8	82.5	1.8
Buena Vista	36	6	1.0	19.0	.8	1.7	15.6	44.4	209.1	254.2	1.3
Butler	17	1	.1	1.6	.1	.2	1.1	3.4	4.9	8.4	.2
Calhoun	13	2	.2	2.4	.1	.3	1.4	4.5	3.9	8.3	.3
Carroll	28	6	.8	14.5	.7	1.3	11.3	36.2	107.1	144.4	1.2
Cass	21	7	.5	6.8	.3	.5	3.4	18.6	34.0	52.5	1.1
Cedar	27	8	.5	6.4	.3	.6	4.0	13.2	43.5	59.1	.7
Cerro Gordo	67	26	2.7	45.8	2.0	4.0	31.5	92.7	208.7	306.8	10.9
Cherokee	23	9	1.0	19.4	.7	1.5	15.1	47.0	207.9	255.1	1.4
Chickasaw	19	8	1.2	21.3	.8	1.5	12.3	65.2	185.4	251.9	2.2
Clarke	12	8	.7	11.1	.5	.9	7.9	20.1	57.3	78.2	1.2
Clay	34	10	1.2	21.0	1.0	1.8	14.7	53.8	242.2	393.7	1.6
Clayton	36	12	.7	8.7	.6	1.0	6.2	18.7	64.5	81.7	2.3
Clinton	52	24	5.9	125.0	4.3	8.7	86.5	320.2	715.0	1,035.3	56.2
Crawford	23	6	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Dallas	33	11	1.2	29.4	1.0	1.9	23.1	49.4	216.2	265.6	2.0
Davis	9	4	.2	2.5	.2	.3	1.7	6.2	6.0	11.7	1.5
Decatur	6	3	.3	3.2	.2	.5	2.6	6.7	6.6	13.3	.1
Delaware	24	8	.6	9.9	.5	.9	7.0	20.3	75.4	95.2	2.2
Des Moines	61	30	6.3	132.0	4.4	8.1	80.9	449.5	336.0	796.4	29.2
Dickinson	19	5	1.0	16.3	.7	1.5	10.1	40.5	35.4	75.5	.9
Dubuque	131	51	11.9	278.8	7.4	13.2	161.6	632.2	876.4	1,393.9	23.0
Emmet	15	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Fayette	30	9	.8	11.1	.6	1.1	8.2	37.6	91.3	130.6	3.7
Floyd	15	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Franklin	23	8	1.0	15.8	.7	1.2	9.7	28.8	37.0	68.3	1.6
Fremont	7	–	(Z)	.3	(Z)	(Z)	.2	.6	1.0	1.6	(Z)
Greene	17	6	.4	6.7	.3	.6	4.7	13.4	15.0	29.2	.6
Grundy	16	5	.4	6.0	.3	.5	3.8	15.4	23.0	39.0	.7
Guthrie	8	1	.1	.7	(Z)	.1	.5	2.1	1.3	3.6	.1
Hamilton	37	17	1.6	21.4	1.1	1.9	13.3	42.3	96.8	140.7	4.7
Hancock	23	6	.7	11.0	.5	.9	7.3	17.3	83.8	101.5	1.2
Hardin	35	14	1.2	19.0	.9	1.7	14.1	37.0	234.6	280.5	4.5
Harrison	10	2	.1	1.6	.1	.2	1.1	3.8	2.7	6.4	.2
Henry	24	8	1.0	16.6	.8	1.5	11.1	71.5	49.2	123.8	1.8
Howard	19	3	.3	5.5	.2	.4	4.0	23.9	71.2	97.4	.5
Humboldt	25	7	.4	5.7	.3	.5	3.9	11.8	11.3	23.2	.6
Ida	10	3	.4	6.9	.3	.6	3.9	17.1	25.9	42.0	.7
Iowa	23	7	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Jackson	30	11	.6	7.9	.4	.9	5.6	18.3	65.6	83.2	.5
Jasper	52	15	4.7	95.2	2.2	3.9	44.1	254.7	186.4	442.7	8.1

Industrial statistics, Iowa cities and counties (cont'd.)

1982

	All establishments[1]		All employees[2]		Production workers			Value added by manufacture[3] (million dollars)	Cost of materials[4] (million dollars)	Value of shipments[4] (million dollars)	New capital expenditures (million dollars)
	Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)				
COUNTIES–Con.											
Jefferson	38	15	1.7	28.6	1.2	2.1	17.3	51.5	50.2	103.7	1.6
Johnson	71	22	3.3	62.3	2.2	3.8	38.9	451.0	309.1	763.6	17.1
Jones	34	9	.7	11.2	.5	.9	6.5	31.9	37.3	70.8	1.8
Keokuk	9	–	.1	.7	(Z)	.1	.5	1.3	1.8	3.1	.1
Kossuth	24	4	.9	15.1	.7	1.3	12.3	51.0	58.9	109.5	2.1
Lee	69	33	6.6	128.5	4.6	8.5	84.9	296.4	543.6	843.3	28.7
Linn	214	77	25.4	561.1	13.4	24.9	262.3	1,582.5	1,757.5	3,397.3	80.0
Louisa	12	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Lucas	6	3	.3	3.2	.2	.4	2.2	6.8	4.8	11.7	.1
Lyon	14	2	.2	3.4	.2	.3	2.2	8.6	4.8	13.3	.2
Madison	6	–	(Z)	.5	(Z)	.1	.2	1.2	1.1	2.3	(Z)
Mahaska	30	8	1.0	14.6	.7	1.3	9.2	32.7	43.0	75.0	2.6
Marion	31	11	3.5	62.9	2.7	4.6	44.5	186.3	202.1	389.4	17.0
Marshall	54	22	6.0	137.1	3.3	5.8	68.2	321.4	356.4	660.0	12.1
Mills	6	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Mitchell	14	3	.3	4.3	.2	.4	2.7	13.4	17.4	30.9	1.1
Monona	9	2	.1	1.6	.1	.2	1.0	2.1	1.6	3.9	.1
Monroe	12	5	.6	9.1	.5	1.0	7.3	13.3	15.0	29.5	(D)
Montgomery	15	6	1.1	19.1	.9	1.5	13.8	53.3	34.0	88.6	.9
Muscatine	79	40	7.9	172.9	5.7	11.0	107.3	748.8	787.0	1,538.1	28.3
O'Brien	32	5	.4	6.5	.3	.6	4.5	24.6	112.1	137.0	1.3
Osceola	12	4	.3	4.5	.3	.6	3.5	39.1	75.2	114.8	.6
Page	21	11	1.3	22.7	.9	1.5	14.8	69.6	58.0	129.2	6.6
Palo Alto	15	4	.2	2.8	.1	.2	1.8	5.9	6.1	12.0	.4
Plymouth	26	9	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Pocahontas	18	4	.4	4.6	.2	.3	2.3	7.2	9.8	15.9	1.0
Polk	419	126	21.8	472.3	12.6	23.7	254.2	141.4	1,885.8	3,050.3	63.4
Pottawattamie	75	28	3.5	53.8	2.8	5.4	37.0	122.4	601.8	722.3	6.0
Poweshiek	32	13	1.4	22.4	1.1	2.2	16.3	61.3	60.1	122.8	2.2
Ringgold	4	2	.2	1.5	.1	.3	1.2	3.1	2.1	5.4	(D)
Sac	27	3	.4	6.3	.2	.5	3.9	14.0	28.2	43.5	1.2
Scott	181	67	16.1	399.3	10.4	18.5	243.1	918.5	1,395.1	2,278.9	78.1
Shelby	15	3	.2	3.4	.1	.2	1.9	7.7	9.8	17.7	.2
Sioux	57	21	2.6	32.5	2.1	3.6	22.7	75.0	198.0	272.0	3.9
Story	58	14	2.9	51.1	1.9	3.6	29.9	196.4	159.3	356.2	6.0
Tama	15	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Taylor	10	3	.3	3.2	.2	.4	2.2	5.5	7.7	13.8	.2
Union	17	7	1.2	19.8	.9	1.8	13.7	40.1	40.8	78.6	2.1
Van Buren	12	6	.3	3.9	.3	.5	2.8	8.3	8.7	17.2	.5
Wapello	34	12	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Warren	22	4	.3	4.9	.2	.3	2.5	19.2	23.0	43.1	.8
Washington	24	10	1.0	17.8	.8	1.5	11.5	47.6	83.1	126.6	3.7
Wayne	11	5	.4	5.5	.3	.5	3.4	15.2	10.7	25.7	.4
Webster	64	31	3.3	61.0	2.0	4.2	40.3	214.5	554.2	775.7	7.9
Winnebago	21	5	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Winneshiek	20	7	.7	9.8	.6	1.1	6.6	21.9	64.8	85.7	.9
Woodbury	110	52	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Worth	8	2	.2	1.9	.1	.2	1.2	2.5	3.9	6.3	.2
Wright	29	11	.9	13.0	.6	1.1	7.4	58.5	168.9	224.7	(D)

[1]Includes establishments with payroll at any time during year.
[2](D)Data not used to avoid disclosure of individual companies.
[3]Value added by manufacture for 1982 is computed using inventory reported at cost or market prior to any adjustment to LIFO cost.
[4]Aggregate of cost of materials and value of shipments includes extensive duplication since products of some industries are used as materials by others.
Source: 1982 Census of Manufacturers, Bureau of the Census, U.S. Department of Commerce.

Iowa industrial statistics by SIC code

SIC code	Industry	1982											1977
		All establishments[2]		All employees		Production workers							
		Total (number)	With 20 employees or more (number)	Number[3] (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)	Value added by manufacture[4] (million dollars)	Cost of materials[5] (million dollars)	Value of shipments[5] (million dollars)	New capital expenditures (million dollars)	All employees[2] (1,000)
	All Industries	3,600	1,224	213.4	4,410.4	140.4	260.0	2,653.6	12,091.8	19,382.3	31,424.0	689.6	240.3
20	Food and Kindred Products	484	236	44.8	949.9	32.3	63.2	668.6	3,130.8	10,632.1	13,746.9	194.8	46.3
201	Meat Products	116	61	22.2	486.5	18.1	34.9	399.7	1,013.2	6,185.4	7,179.8	38.2	24.3
2011	Meat packing plants	65	38	17.9	420.7	14.5	27.9	347.5	847.6	5,626.6	6,461.9	31.7	20.2
2013	Sausages and other prepared meats	37	14	2.3	39.9	1.8	3.2	30.3	104.0	373.8	473.3	4.6	2.4
2016	Poultry dressing plants	8	5	1.5	19.6	1.3	2.7	16.9	39.8	139.4	178.8	1.5	1.2
2017	Poultry and egg processing	6	4	.6	6.2	.5	1.1	5.1	21.7	45.7	65.8	.4	.5
202	Dairy products	56	32	2.9	58.6	1.9	4.3	37.9	233.8	965.2	1,202.6	15.7	3.6
2022	Cheese, natural and processed	16	11	.8	13.3	.6	1.4	10.6	50.4	369.6	421.3	4.9	.9
2023	Condensed and evaporated milk	13	8	.7	13.9	.5	1.3	11.1	85.3	232.9	320.2	6.2	.7
2024	Ice Cream and frozen desserts	8	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3
2026	Fluid milk	17	9	1.2	26.1	.5	1.1	11.9	85.7	317.4	403.8	3.8	1.6
203	Preserved fruits and vegetables	15	10	2.2	37.9	1.8	3.5	29.2	129.6	151.9	281.7	4.4	2.0
2032	Canned specialties	4	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB
2033	Canned fruits and vegetables	2	1	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC
2037	Frozen fruits and vegetables	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)
2038	Frozen specialties	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC
204	Grain mill products	165	64	10.9	247.1	6.7	12.7	143.4	1,336.7	1,880.0	3,220.4	89.9	10.0
2041	Flour and other grain mill products	7	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB
2043	Cereal breakfast foods	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE
2046	Wet corn milling	6	6	3.7	90.0	2.1	4.0	54.7	415.7	758.9	1,181.9	44.0	3.5
2047	Dog, cat, and other pet food	14	5	1.5	33.0	1.2	2.4	26.0	389.7	241.9	625.9	9.1	CC
2048	Prepared feeds, n.e.c.	135	46	3.9	70.6	1.6	3.1	26.3	216.9	598.8	817.1	8.0	3.8
205	Bakery products	25	15	2.4	41.7	1.3	2.6	19.9	91.3	82.8	174.3	(D)	2.3
2051	Bread, cake, and related products	22	13	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE
2052	Cookies and crackers	3	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB
206	Sugar and confectionery products	6	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)
2065	Confectionery products	5	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)
207	Fats and oils	34	22	1.6	31.1	1.1	2.3	19.9	130.0	1,188.4	1,315.9	31.1	1.3
2075	Soybean oil mills	17	14	1.1	23.2	.8	1.6	14.6	109.8	1,112.1	1,219.3	29.5	1.0
2077	Animal and marine fats and oils	16	7	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.4
208	Beverages	32	19	1.5	27.7	.5	1.1	7.6	76.4	100.9	177.6	7.7	1.3
2086	Bottled and canned soft drinks	27	18	1.4	27.0	.5	1.0	7.2	75.0	98.8	174.0	7.6	1.2
209	Miscellaneous foods and kindred products	35	12	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.2
2099	Food preparations, n.e.c.	25	10	.8	14.0	.5	1.2	6.9	108.2	65.9	171.6	(D)	EE
22	Textile mill products	13	5	.8	10.7	.6	1.2	6.7	30.1	16.4	45.8	1.2	1.2
225	Knitting mills	3	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3
229	Miscellaneous textile goods	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC
2298	Cordage and twine	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC
23	Apparel and other textile products	74	34	3.6	36.0	3.3	5.4	28.6	72.1	55.7	128.3	2.4	4.4
232	Men's and boy's furnishings	15	11	1.1	9.9	1.0	1.6	8.9	22.8	16.5	41.9	1.4	1.6
2328	Men's and boy's work clothing	6	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC
2329	Men's and boys' clothing, n.e.c.	7	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC
233	Women's and misses' outerwear	5	4	.3	2.6	.2	.4	2.2	5.6	3.0	9.0	(D)	CC
2335	Women's and misses' dresses	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5
234	Women's and children's undergarments	5	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB
2341	Women's and children's underwear	5	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB
235	Hats, caps, and millinery	3	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC
2352	Hats and caps, except millinery	3	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC
239	Miscellaneous fabricated textile products	41	10	.7	7.4	.5	.9	4.4	13.8	15.5	27.5	(D)	.9
2394	Canvas and related products	17	3	.2	1.9	.1	.2	1.2	3.8	3.2	7.1	.1	.3
2395	Pleating and stitching	4	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3
24	Lumber and wood products	183	34	4.1	58.1	3.2	5.1	41.4	133.2	140.2	275.3	13.6	5.2
242	Sawmills and planing mills	44	4	.3	3.7	.3	.5	3.2	5.1	12.1	17.5	(D)	.4
2421	Sawmills and planing mills, general	39	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.2
243	Millwork, plywood, and structural members	53	14	2.8	42.2	2.2	3.3	30.1	101.4	80.3	183.0	(D)	2.6
2431	Millwork	22	7	2.2	35.5	1.8	2.7	25.6	88.5	68.4	157.7	(D)	2.0
2434	Wood kitchen cabinets	24	7	.6	6.2	.4	.6	4.0	11.6	8.5	20.7	.4	BB
244	Wood containers	32	4	.3	3.0	.2	.4	2.3	5.6	9.4	15.0	(D)	.3
2448	Wood pallets and skids	31	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3
245	Wood buildings and mobile homes	14	5	.3	4.3	.2	.4	2.7	13.0	26.5	39.4	(D)	1.5
2452	Prefabricated wood buildings	14	5	.3	4.3	.2	.4	2.7	13.0	26.5	39.4	.1	EE
249	Miscellaneous wood products	22	6	.3	4.0	.3	.5	2.5	6.9	9.5	16.6	.3	.2
2499	Wood products, n.e.c.	21	6	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA
25	Furniture and fixtures	54	23	3.5	66.0	2.7	5.2	44.0	113.8	109.0	22.7	4.3	3.7
251	Household furniture	27	11	1.5	23.9	1.1	2.0	13.9	36.7	35.3	72.2	(D)	1.8
2512	Upholstered household furniture	7	6	1.0	19.0	.7	1.4	10.4	23.7	23.1	46.5	(D)	1.2
2519	Household furniture, n.e.c.	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA
252	Office furniture	4	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE
2521	Wood office furniture	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA
2522	Metal office furniture	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE
2531	Public building and related furniture	5	5	.4	5.8	.3	.5	4.2	15.7	18.2	33.7	.2	BB
254	Partitions and fixtures	8	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3
2541	Wood partitions and fixtures	6	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA
26	Paper and allied products	55	37	4.6	86.6	3.5	7.1	58.3	226.7	351.6	575.6	18.7	4.8
2631	Paperboard mills	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA
264	Miscellaneous converted paper products	31	17	2.3	42.7	1.7	3.4	27.4	138.2	161.7	298.8	14.7	2.2
2641	Paper coating and glazing	7	6	.9	20.1	.6	1.2	12.5	70.7	94.4	162.4	10.2	.7
2642	Envelopes	3	2	.2	3.4	.1	.3	2.1	9.1	7.5	16.5	(D)	AA
2643	Bags, except textile bags	7	6	1.0	16.0	.8	1.6	11.1	50.6	52.2	104.5	2.6	1.1
2649	Converted paper products, n.e.c.	9	1	.2	2.0	.1	.2	1.0	5.6	6.4	11.9	(D)	(NA)
265	Paperboard containers and boxes	21	17	2.0	38.4	1.6	3.3	26.6	78.3	170.2	246.5	3.2	2.3
2651	Folding paperboard boxes	3	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC
2653	Corrugated and solid fiber boxes	14	12	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE
2654	Sanitary food containers	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB
27	Printing and publishing	791	164	17.6	270.2	9.0	16.0	128.0	662.7	477.5	1,140.1	29.6	14.6
2711	Newspapers	292	62	6.7	82.0	2.6	4.3	29.4	193.8	66.9	260.9	6.8	5.6
2721	Periodicals	29	7	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE
273	Books	22	5	.6	9.7	.2	.5	3.4	28.1	16.3	44.4	1.2	CC
2731	Book publishing	18	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB
2732	Book printing	4	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3
2741	Miscellaneous publishing	46	8	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.4
275	Commercial printing	342	60	5.8	100.5	4.4	8.1	70.4	184.5	173.6	359.0	11.6	5.0
2751	Commercial printing, letterpress	112	10	1.2	16.1	.9	1.6	10.2	37.7	27.8	65.7	.7	FF
2752	Commercial printing, lithographic	221	50	4.6	84.1	3.5	6.4	60.0	146.0	145.5	292.2	10.9	2.3
2761	Manifold business forms	14	11	1.0	19.3	.8	1.4	12.6	51.5	50.1	101.8	2.0	.9
278	Blankbooks and bookbinding	16	6	.4	6.8	.3	.6	4.6	16.8	5.9	22.7	.5	.3

Iowa industrial statistics by SIC code (continued)

SIC code	Industry	1982											1977
		All establishments[2]		All employees		Production workers							
		Total (number)	With 20 employees or more (number)	Number[2] (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)	Value added by manufacture[4] (million dollars)	Cost of materials[5] (million dollars)	Value of shipments[5] (million dollars)	New capital expenditures (million dollars)	All employees[2] (1,000)
2782	Blankbooks and looseleaf binders	6	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.2
279	Printing trade services	29	5	.4	5.4	.3	.5	3.8	8.0	1.8	9.7	(D)	.3
2791	Typesetting	21	4	.3	4.5	.3	.4	3.2	6.3	1.3	7.5	(D)	.2
28	Chemicals and allied products	124	43	5.7	133.9	3.4	6.9	70.6	1,077.9	1,245.1	2,325.3	52.0	5.5
281	Industrial inorganic chemicals	18	5	.5	12.2	.3	.7	6.8	23.6	101.2	127.2	4.6	AA
2819	Industrial inorganic chemicals, n.e.c.	8	5	.5	11.2	.3	.6	6.3	18.2	98.0	118.8	3.6	(NA)
282	Plastics materials and synthetics	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB
2821	Plastics materials and resins	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB
283	Drugs	20	8	1.1	24.5	.5	1.0	9.4	101.8	60.4	161.9	4.8	1.0
2831	Biological products	7	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)
2834	Pharmaceutical preparations	11	6	.9	19.9	.4	.7	6.7	52.1	27.4	79.3	(D)	.9
284	Soaps, cleaners, and toilet goods	19	5	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.0
2844	Toilet preparations	4	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC
2851	Paints and allied products	12	6	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.6
286	Industrial organic chemicals	11	3	.3	6.2	.2	.3	2.5	28.8	27.7	56.4	1.3	CC
2869	Industrial organic chemicals, n.e.c.	10	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC
287	Agricultural chemicals	31	13	1.7	40.3	1.0	2.0	21.9	433.8	610.3	1,033.2	25.1	1.3
2873	Nitrogenous fertilizers	5	5	[illegible]	18.6	.4	.8	8.6	68.9	300.7	355.6	12.3	.5
2875	Fertilizers, mixing only	15	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3
2879	Agricultural chemicals, n.e.c.	10	4	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)
289	Miscellaneous chemical products	12	2	.2	4.9	.2	.3	3.2	22.0	32.0	52.3	.6	.5
2899	Chemical preparations, n.e.c.	8	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB
29	Petroleum and coal products	14	5	.2	3.3	.1	.2	1.7	10.8	18.1	29.0	(D)	AA
30	Rubber and miscellaneous plastics products	119	50	8.9	181.2	6.8	12.3	130.0	482.3	435.3	926.6	29.4	11.6
3011	Tires and inner tubes	4	4	3.1	80.4	2.4	4.2	59.5	204.4	186.4	394.1	11.2	4.2
3041	Rubber and plastics hose and belting	4	3	.3	5.3	.2	.5	3.9	14.2	15.9	32.5	.3	AA
3069	Fabricated rubber products, n.e.c.	12	5	1.2	22.6	.9	1.8	16.4	41.8	39.0	81.6	3.4	EE
3079	Miscellaneous plastics products	99	38	4.2	72.9	3.3	5.7	50.1	221.9	194.0	418.5	14.5	5.5
31	Leather and leather products	18	12	.[illegible]	6.6	.6	.9	4.4	12.4	21.3	34.2	(D)	CC
3111	Leather tanning and finishing	8	5	.[illegible]	2.8	.2	.3	1.9	5.3	13.8	19.3	.3	BB
3151	Leather gloves and mittens	3	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA
32	Stone, clay, and glass products	332	54	4.8	92.3	3.7	7.2	63.8	229.8	323.6	551.4	26.9	6.9
3231	Products of purchased glass	13	3	.3	4.6	.2	.5	3.6	8.7	10.7	18.8	.2	.4
3241	Cement, hydraulic	5	4	.7	18.0	.5	1.1	13.8	43.7	42.5	86.5	9.1	1.1
325	Structural clay products	6	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.7
3251	Brick and structural clay tile	5	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB
327	Concrete, gypsum, and plaster products	284	39	3.1	55.2	2.2	4.4	36.5	115.7	154.8	269.7	14.9	FF
3271	Concrete block and brick	24	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB
3272	Concrete products, n.e.c.	71	10	.7	11.6	.5	1.0	7.7	22.8	17.2	39.8	(D)	1.0
3273	Ready-mixed concrete	182	22	1.5	25.7	1.1	2.0	17.0	56.5	76.6	133.4	4.7	1.9
3275	Gypsum products	5	5	.7	13.6	.5	1.1	9.6	26.1	50.1	75.4	(D)	.8
329	Miscellaneous nonmetallic mineral products	12	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC
3291	Abrasive products	2	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC
33	Primary metal industries	72	36	8.2	202.0	6.3	11.8	142.6	217.6	836.9	1,105.2	56.5	8.4
331	Blast furnace and basic steel products	6	5	.9	20.6	.6	1.3	14.9	48.2	103.3	154.7	10.3	CC
3312	Blast furnaces and steel mills	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB
3313	Electrometallurgical products	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA
3317	Steel pipe and tubes	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA
332	Iron and steel foundries	22	16	2.0	36.6	1.6	2.5	26.0	65.9	63.4	131.5	(D)	3.1
3321	Gray iron foundries	12	9	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.6
3322	Malleable iron foundries	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB
3325	Steel foundries, n.e.c.	8	5	.9	17.0	.7	1.1	12.9	34.8	31.3	67.7	(D)	EE
335	Nonferrous rolling and drawing	4	3	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF
3353	Aluminum sheet, plate, and foil	2	2	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF
336	Nonferrous foundries	29	9	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.3
3361	Aluminum foundries	18	6	.6	10.7	.5	.8	7.3	15.3	13.4	29.4	(D)	.8
3369	Nonferrous foundries, n.e.c.	8	3	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB
34	Fabricated metal products	282	121	17.4	338.0	11.4	21.0	189.4	763.4	577.2	1,341.8	32.1	20.7
341	Metal cans and shipping containers	5	3	.3	6.8	.3	.6	5.7	25.9	46.9	72.3	(D)	AA
3411	Metal cans	3	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA
342	Cutlery, hand tools, and hardware	30	8	.9	13.7	.6	1.1	8.6	37.3	22.3	61.5	.6	.8
3421	Cutlery	10	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)
3423	Hand and edge tools, n.e.c.	10	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.4
3429	Hardware, n.e.c.	10	2	.2	3.0	.2	.3	2.0	10.0	7.9	19.4	(D)	.3
343	Plumbing and heating, except electric	12	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.1
3433	Heating equipment, except electric	10	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC
344	Fabricated structural metal products	116	50	4.3	74.6	3.0	5.8	44.9	145.2	201.6	351.8	8.5	FF
3441	Fabricated structural metal	28	14	1.3	22.7	.7	1.5	11.5	28.7	55.0	87.5	1.8	1.4
3442	Metal doors, sash, and trim	21	8	1.0	16.2	.8	1.6	11.9	30.6	37.6	69.5	2.6	1.5
3443	Fabricated plate work (boiler shops)	18	8	.5	8.1	.4	.7	5.4	19.7	20.9	40.2	1.6	.9
3444	Sheet metal work	24	8	.6	10.7	.4	.8	6.5	29.9	35.8	65.2	1.1	1.0
3448	Prefabricated metal buildings	10	7	.6	10.1	.4	.8	5.5	21.4	36.6	57.6	1.1	.7
3449	Miscellaneous metal work	3	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA
345	Screw machine products, bolts, etc.	17	10	.8	12.9	.6	1.1	8.0	27.8	26.1	53.6	1.5	.8
3451	Screw machine products	11	6	.5	7.6	.3	.6	4.8	17.6	13.8	30.8	.9	CC
3452	Bolts, nuts, rivets, and washers	6	4	.4	5.4	.2	.4	3.2	10.2	12.3	22.7	.5	AA
346	Metal forgings and stampings	29	13	2.1	34.9	1.6	2.8	22.5	88.7	54.9	143.8	4.4	2.8
3462	Iron and steel forgings	6	3	.3	5.5	.2	.3	3.6	11.9	6.5	18.2	(D)	AA
3465	Automotive stampings	3	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA
3469	Metal stampings, n.e.c.	19	7	1.3	22.0	1.0	1.6	13.0	57.5	29.7	87.4	3.0	2.4
348	Ordnance and accessories, n.e.c.	3	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE
3483	Ammunition, except for small arms, n.e.c.	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE
349	Miscellaneous fabricated metal products	56	30	7.0	154.3	4.0	7.4	75.8	349.1	189.5	532.5	14.9	6.8
3494	Valves and pipe fittings	12	8	4.4	104.4	2.3	4.2	48.9	243.6	122.5	354.9	11.7	4.5
3495	Wire springs	4	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)
3496	Miscellaneous fabricated wire products	13	7	.6	9.3	.4	.8	6.3	19.3	13.0	32.8	1.3	.4
3499	Fabricated metal products, n.e.c.	25	11	1.9	37.6	1.1	2.2	18.2	81.2	47.1	132.7	1.8	1.8
35	Machinery, except electrical	562	204	49.5	1,230.1	31.0	56.2	737.6	3,347.0	2,907.2	6,145.5	138.0	61.5
351	Engines and turbines	10	10	2.3	62.1	1.6	2.9	40.1	150.8	248.3	400.5	8.0	2.7
3511	Turbines and turbine generator sets	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)
3519	Internal combustion engines, n.e.c.	9	9	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.7
352	Farm and garden machinery	157	66	19.2	528.5	13.1	24.2	341.2	1,606.0	1,389.6	3,014.5	60.3	25.6
3523	Farm machinery and equipment	155	65	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF
3524	Lawn and garden equipment	2	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC
353	Construction and related machinery	61	39	15.7	398.6	9.5	15.3	216.9	1,020.2	918.5	1,798.3	49.8	20.0
3531	Construction machinery	34	21	14.4	373.4	8.7	14.0	204.8	969.2	873.7	1,703.3	47.6	18.8

Iowa industrial statistics by SIC code (continued)

SIC code	Industry	1982											1977
		All establishments[2]		All employees		Production workers			Value added by manufacture[4] (million dollars)	Cost of materials[5] (million dollars)	Value of shipments[5] (million dollars)	New capital expenditures (million dollars)	All employees[2] (1,000)
		Total (number)[1]	With 20 employees or more (number)	Number[3] (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)					
3532	Mining machinery	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)
3535	Conveyors and conveying equipment	12	8	.5	9.0	.3	.6	4.9	19.3	21.3	40.9	.5	.6
3536	Hoists, cranes, and monorails	3	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3
3537	Industrial trucks and tractors	7	3	.3	4.9	.1	.2	1.7	11.1	6.0	16.2	.1	.3
354	Metalworking machinery	77	22	1.3	36.9	1.2	2.3	22.1	58.0	31.3	90.4	2.1	2.3
3541	Machine tools, metal cutting types	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.5
3544	Special dies, tools, jigs, and fixtures	50	11	.6	13.1	.5	.9	10.6	16.8	9.2	26.9	1.1	.6
3545	Machine tool accessories	10	4	.2	5.1	.2	.4	3.2	9.3	4.9	14.1	.5	AA
3546	Power driven hand tools	3	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB
3549	Metalworking machinery, n.e.c.	8	3	.2	3.6	.1	.2	1.7	8.4	4.8	13.3	.2	.4
355	Special industry machinery	34	15	2.3	53.9	1.4	2.6	31.4	164.3	93.5	264.4	4.3	2.4
3551	Food products machinery	11	6	1.2	26.6	.6	1.1	13.6	68.9	23.4	93.6	(D)	1.2
3555	Printing trades machinery	2	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB
3559	Special industry machinery, n.e.c.	20	8	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC
356	General industrial machinery	53	19	3.5	68.9	2.1	3.7	39.0	181.1	98.5	283.6	8.1	3.5
3561	Pumps and pumping equipment	10	5	2.2	45.5	1.2	2.1	23.0	140.9	64.6	208.0	(D)	2.5
3562	Ball and roller bearings	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA
3564	Blowers and fans	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)
3566	Speed changers, drives, and gears	6	4	.2	3.3	.1	.2	2.0	5.6	3.4	9.5	.1	AA
3568	Power transmission equipment, n.e.c.	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	AA
3569	General industrial machinery, n.e.c.	17	3	.2	2.8	.1	.2	1.6	4.4	4.3	8.8	.1	.2
357	Office and computing machines	8	4	.6	10.0	.2	.3	3.9	17.2	8.0	23.4	.8	BB
3573	Electronic computing equipment	7	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB
358	Refrigeration and service machinery	20	12	2.2	40.8	1.4	2.6	23.8	94.7	80.3	175.0	1.4	2.7
3581	Automatic merchandising machines	3	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB
3582	Commercial laundry equipment	1	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB
3585	Refrigeration and heating equipment	5	4	1.1	22.7	.7	1.4	13.6	58.6	47.3	107.6	.8	1.4
3586	Measuring and dispensing pumps	1	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB
3589	Service industry machinery, n.e.c.	10	3	.3	6.4	.2	.3	2.9	15.0	11.2	26.1	.3	.4
259	Miscellaneous machinery, except electrical	142	17	1.9	30.4	1.3	2.3	19.3	54.8	39.2	95.8	3.2	EE
3599	Machinery, except electrical, n.e.c.	141	17	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE
36	Electric and electronic equipment	100	53	22.0	438.1	13.2	24.1	213.3	1,087.0	767.2	1,867.1	58.4	23.6
361	Electric distributing equipment	10	6	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE
3612	Transformers	2	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)
3613	Switchgear and switchboard apparatus	8	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE
362	Electrical industrial apparatus	15	7	1.0	15.0	.7	1.3	8.6	42.8	19.7	64.9	1.6	.7
3621	Motors and generators	5	3	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB
3622	Industrial controls	8	4	.7	10.8	.4	.9	5.9	29.7	11.6	42.5	(D)	BB
363	Household appliances	10	7	4.8	94.1	3.5	6.0	63.4	301.5	319.8	632.8	9.1	FF
3631	Household cooking equipment	3	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	
3633	Household laundry equipment	4	4	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF
364	Electric lighting and wiring equipment	7	3	.3	5.5	.3	.6	3.8	7.5	11.4	19.1	(D)	.2
3644	Noncurrent-carrying wiring devices	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)
365	Radio and TV receiving equipment	6	2	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.7
3652	Phonograph records and prerecorded tape	4	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)
366	Communication equipment	9	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF
3662	Radio and TV communication equipment	9	5	FF	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF
367	Electric components and accessories	30	14	2.3	33.8	1.6	3.3	22.1	64.0	45.1	109.5	17.4	3.1
3676	Electronic resistors	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC
3677	Electronic coils and transformers	4	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	1.8
3679	Electronic components, n.e.c.	21	6	1.0	15.5	.6	1.3	8.4	31.6	27.8	59.6	(D)	CC
369	Miscellaneous electrical equipment and supplies	13	9	1.9	34.6	1.6	2.8	27.6	99.9	97.6	200.4	6.3	1.5
3691	Storage batteries	4	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB
3692	Primary batteries, dry and wet	2	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC
3694	Engine electrical equipment	5	3	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC
37	Transportation equipment	89	36	5.3	90.4	3.9	7.2	56.0	214.0	286.3	498.1	17.5	FF
371	Motor vehicles and equipment	61	31	4.6	74.5	3.4	6.3	48.0	186.8	263.2	448.4	(D)	7.1
3713	Truck and bus bodies	19	8	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.9
3714	Motor vehicle parts and accessories	25	13	1.8	28.0	1.4	2.5	20.8	78.1	68.4	150.6	4.0	2.0
3715	Truck trailers	8	5	.6	10.3	.4	.8	6.4	13.1	51.4	64.8	1.1	CC
3716	Motor homes produced on purchased chassis	4	4	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	FF
372	Aircraft and parts	6	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB
3724	Aircraft engines and engine parts	2	1	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB
379	Miscellaneous transportation equipment	16	4	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB
3799	Transportation equipment, n.e.c.	9	4	.2	4.2	.2	.4	2.7	8.4	12.3	20.5	(D)	AA
38	Instruments and related products	39	10	1.9	36.1	1.2	2.3	20.8	95.5	35.1	131.2	4.3	2.9
3811	Engineering and scientific instruments	5	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.8
382	Measuring and controlling devices	13	4	.9	15.1	.6	1.1	10.5	34.1	13.0	48.2	.8	1.5
3822	Environmental controls	3	1	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB
3823	Process control instruments	4	2	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE
3832	Optical instruments and lenses	2	1	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB
39	Miscellaneous manufacturing Industries	120	36	5.9	88.1	3.6	6.9	47.9	184.8	146.3	33.9	8.5	5.4
394	Toys and sporting goods	29	12	2.0	31.1	1.4	2.5	17.2	71.1	61.8	131.6	3.8	1.9
3944	Games, toys, and children's vehicles	5	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC
3949	Sporting and athletic goods, n.e.c.	23	10	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE
395	Pens, pencils, and office and art supplies	8	6	1.4	20.8	1.0	2.1	13.8	49.1	32.4	84.1	(D)	1.6
3951	Pens and mechanical pencils	2	2	EE	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	EE
3953	Marking devices	5	3	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)
396	Costume jewelry and notions	7	5	.2	2.7	.2	.3	1.7	4.0	3.8	8.0	(D)	BB
3963	Buttons	4	4	AA	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	BB
399	Miscellaneous manufactures	67	12	2.2	32.8	1.0	1.9	14.8	59.3	47.1	107.6	1.9	1.5
3991	Brooms and brushes	4	2	CC	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	CC
3993	Signs and advertising displays	33	4	1.3	20.1	.3	.7	5.4	32.0	28.0	60.6	.5	.7
3999	Manufacturing industries, n.e.c.	28	5	BB	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3
--	Auxiliaries	75	31	3.7	92.9	–	–	–	–	–	–	–	4.8

[1]Includes establishments with payroll at any time during year.
[2]The following employee size ranges substitute for actual employment withheld to avoid disclosure: AA- 150 to 249 employees; BB- 250 to 499 employees; CC- 500 to 999 employees; EE- 1,000 to 2,499 employees; FF- 2,500 employees or more.
[3](D) Data not used to avoid disclosure of individual companies.
[4]Value added by manufacture for 1982 is computed using inventory reported at cost or market prior to any adjustment to LIFO cost.
[5]Aggregate of cost of materials and value of shipments include extensive duplication since products of some industries are used as materials by others.
Source: 1982 Census of Manufacturers, Bureau of the Census, U.S. Department of Commerce.

U.S. industrial statistics, 1982

	All establishments[1] [2]		All employees[1]		Production workers			Cost of materials[3] (million dollars)	Value of shipments[3] (million dollars)	New capital expenditures (million dollars)
	Total (number)	With 20 employees or more (number)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)			
United States	**358,099**	**123,139**	**19,137.2**	**380,608.6**	**12,415.2**	**23,579.7**	**205,041.2**	**1,131,500.9**	**1,964,408.7**	**75,779.8**
Alabama	5,525	1,966	329.2	5,225.0	253.5	479.3	3,597.9	17,529.8	29,804.2	1,540.1
Alaska	445	144	12.8	269.5	10.0	18.3	196.6	1,805.8	2,579.9	58.5
Arizona	3,407	854	148.7	3,000.2	85.7	163.0	1,392.4	6,658.3	12,763.7	758.2
Arkansas	3,315	1,161	189.8	2,826.0	148.6	279.0	1,933.0	12,217.8	19,964.4	702.5
California	47,643	14,472	2,040.5	43,508.0	1,215.4	2,337.1	20,674.9	106,098.0	200,988.5	8,828.7
Colorado	4,407	1,167	191.2	3,982.0	109.8	207.5	1,875.4	9,965.5	17,974.1	892.6
Connecticut	6,696	2,538	423.9	9,027.3	244.8	477.8	4,091.9	13,668.8	29,995.1	1,051.3
Delaware	632	247	67.7	1,740.2	31.4	60.1	554.7	5,886.6	8,372.8	322.1
District of Columbia	516	127	16.4	389.2	6.6	13.2	123.0	606.4	1,537.1	55.1
Florida	13,721	3,601	454.1	7,750.2	292.5	566.4	3,958.3	20,666.7	38,705.1	1,958.9
Georgia	8,543	3,152	503.4	7,916.4	369.7	704.6	4,866.8	29,195.4	48,171.9	2,150.5
Hawaii	967	237	23.6	360.4	16.0	29.9	217.5	2,361.3	3,445.9	89.8
Idaho	1,405	354	47.6	864.8	34.0	62.6	545.2	3,222.5	5,369.6	147.3
Illinois	18,620	7,098	1,077.2	22,797.7	671.5	1,261.5	11,958.8	64,273.7	113,359.5	3,489.2
Indiana	7,962	3,181	584.6	12,535.5	406.0	759.2	7,821.1	36,748.3	63,306.1	2,224.9
Iowa	3,599	1,224	213.4	4,411.1	140.5	259.9	2,654.2	19,384.6	31,456.7	691.0
Kansas	3,238	1,102	170.4	3,315.2	113.0	218.0	1,962.1	18,105.6	27,303.5	619.7
Kentucky	3,504	1,353	246.3	4,637.1	173.9	319.8	2,874.9	17,642.1	29,580.0	996.9
Louisiana	4,105	1,330	202.4	4,323.6	142.9	281.9	2,746.3	45,278.8	57,529.7	2,648.4
Maine	2,001	614	110.1	1,773.7	86.3	165.6	1,235.6	4,617.2	8,642.3	510.2
Maryland	3,875	1,380	232.9	4,826.2	145.7	270.0	2,547.2	11,212.4	21,213.2	718.7
Massachusetts	11,000	4,284	644.4	12,356.3	397.8	766.5	5,998.6	22,498.3	48,599.5	1,776.7
Michigan	15,158	5,006	885.9	22,282.8	564.0	1,089.9	12,519.0	59,405.3	99,049.3	3,514.9
Minnesota	6,773	2,215	351.0	7,437.2	201.3	380.2	3,439.3	19,946.4	35,488.9	1,216.6
Mississippi	3,123	1,222	202.0	2,880.4	158.5	299.0	1,977.2	11,577.9	19,486.5	1,154.3
Missouri	7,070	2,464	406.6	8,012.6	257.0	477.7	4,203.1	24,191.6	41,579.9	1,469.9
Montana	1,090	176	20.2	379.1	14.6	27.0	265.0	2,954.5	3,677.4	74.6
Nebraska	1,928	632	91.1	1,623.7	64.4	124.2	1,014.2	10,620.5	15,124.5	245.2
Nevada	853	177	20.4	356.4	13.1	24.9	209.7	895.4	1,755.6	80.3
New Hampshire	1,980	722	107.5	1,793.2	75.6	143.9	1,056.1	3,609.9	7,932.9	244.1
New Jersey	15,128	5,751	750.6	15,718.0	441.0	843.8	7,227.8	38,699.6	70,698.5	2,067.4
New Mexico	1,223	299	33.0	524.6	22.2	41.8	298.6	2,420.7	3,887.8	120.8
New York	32,651	10,666	1,415.4	29,078.4	837.4	1,617.6	13,285.6	57,984.4	121,566.7	4,388.1
North Carolina	10,135	4,376	799.5	11,736.6	605.4	1,118.0	7,304.8	35,723.0	64,283.4	2,457.9
North Dakota	587	141	14.7	239.5	9.4	17.4	136.6	1,791.1	2,409.6	100.3
Ohio	16,975	6,523	1,106.7	24,773.9	696.0	1,328.8	13,834.0	62,171.4	112,734.2	4,269.3
Oklahoma	4,169	1,247	188.4	3,832.2	121.7	235.1	2,073.5	15,015.1	23,145.3	844.2
Oregon	5,657	1,442	184.9	3,783.3	129.4	241.8	2,332.0	9,872.5	17,895.3	659.3
Pennsylvania	17,670	7,498	1,175.3	23,147.0	772.5	1,435.1	12,853.7	56,580.7	102,873.6	3,425.9
Rhode Island	2,855	943	114.8	1,780.5	82.8	157.9	1,054.5	3,836.6	7,660.4	189.0
South Carolina	4,203	1,721	367.2	5,532.4	279.3	521.9	3,577.4	15,491.8	27,819.3	1,495.4
South Dakota	748	205	24.5	397.9	17.5	32.7	261.9	1,905.1	3,012.0	62.3
Tennessee	6,417	2,613	460.3	7,354.6	336.9	628.7	4,595.1	22,554.7	40,673.7	2,051.2
Texas	20,304	7,010	1,060.9	21,493.4	670.4	1,307.6	11,264.2	117,223.7	171,456.2	8,193.2
Utah	1,965	581	83.6	1,554.9	54.3	103.2	844.4	5,472.6	9,035.8	328.6
Vermont	1,104	310	46.8	862.7	30.0	56.2	433.8	1,682.6	3,730.4	270.9
Virginia	5,569	2,037	401.8	7,116.6	287.4	541.1	4,192.0	19,677.6	36.861.1	1,528.9
Washington	6,785	1,707	291.4	6,683.2	177.5	326.8	3,622.5	23,222.1	34,658.8	1,086.8
West Virginia	1,664	561	96.0	2,012.7	65.2	121.9	1,233.6	5,767.4	10,249.2	394.6
Wisconsin	8,678	3,193	496.2	10,201.9	328.2	621.1	5,989.9	29,480.3	52,441.2	1,564.7
Wyoming	511	115	9.9	183.3	6.6	13.2	115.3	2,082.5	2,558.4	49.8

[1]Includes auxiliaries
[2]Includes establishments with payroll at any time during year.
[3]Aggregate of cost of materials and value of shipments figures includes extensive duplication, since products of some industries are used as materials by others (see appendix).
Source: 1982 Census of Manufacturers, Preliminary Statistics, Bureau of the Census, U.S. Department of Commerce.

Insurance

Insurance companies based in Iowa (dollars in thousands)

	1960	1965	1970	1975	1980	1982	1983	1984
Life Companies								
Number	16	29	29	28	35	36	38	36
Admitted assets	$2,284,785	$ 3,105,280	$ 4,223,141	$ 6,565,897	$12,836,050	$15,639,624	$17,602,900	$19,478,852
Total income	405,093	640,652	961,904	1,754,093	3,602,457	4,719,347	5,336,928	6,417,328
Life premiums	207,030	317,730	466,722	896,234	1,399,880	1,307,196	1,350,694	1,518,622
Accident-health	55,072	109,358	192,334	323,564	714,887	931,952	1,176,633	1,349,397
Total disbursements	289,578	444,496	708,793	1,206,172	2,380,849	3,367,046	3,777,780	4,501,436
Direct benefits	136,849	212,267	337,543	534,119	840,036	1,357,578	1,569,179	1,865,139
Iowa business in force	1,639,897	2,914,357	4,987,814	5,618,159	1,080,420	15,808,671	16,536,189	18,342,660
Total business in force	8,017,330	13,097,593	22,469,072	40,218,032	93,025,891	102,037,501	111,293,591	127,243,670
Fire, Casualty, Multiple Line Companies								
Number	45	46	41	42	49	51	58	60
Admitted assets	$ 287,551	$ 352,149	$ 561,444	$ 946,412	$2,530,505	$2,874,998	$ 3,090,154	$ 3,129,815
Total liabilities	181,739	225,681	382,558	655,550	1,713,203	1,898,712	2,008,614	2,124,215
Total premiums	209,573	252,155	421,012	719,164	1,416,334	1,476,736	1,513,954	1,592,823
Total direct losses	114,793	147,199	244,086	402,297	836,870	986,886	1,005,994	1,242,669
Net income	9,888	4,682	22,300	597	154,888	64,159	91,797	(21,169)

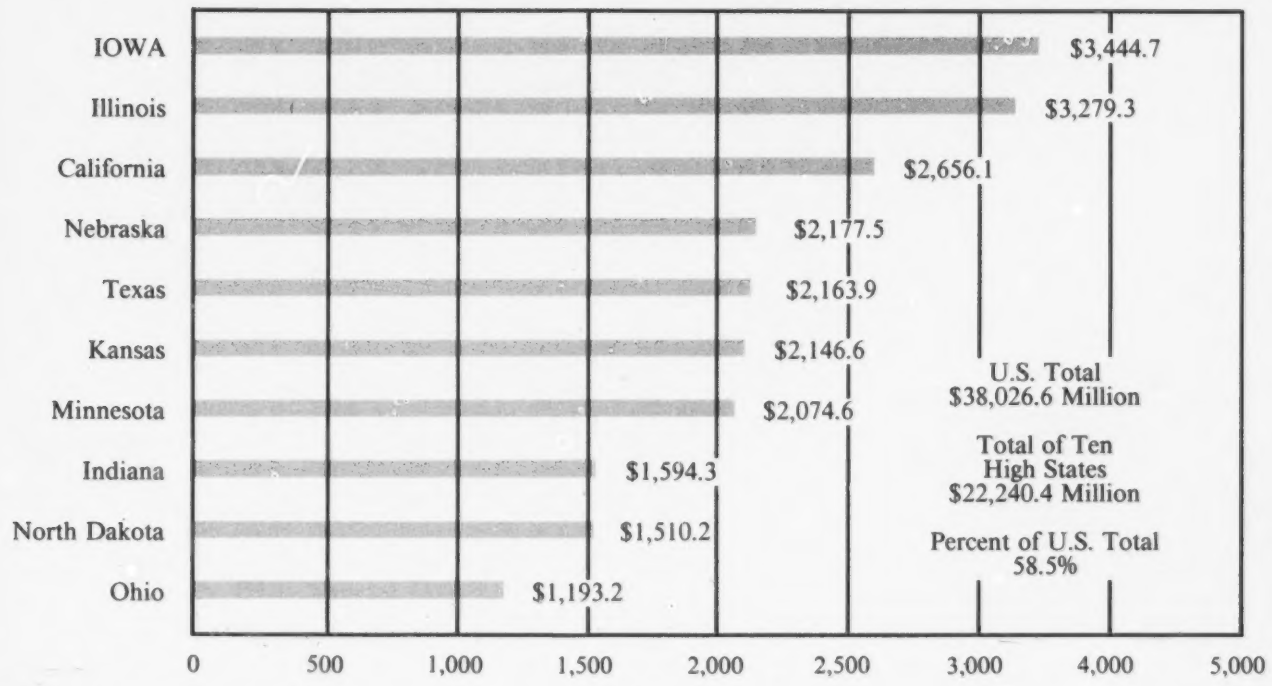
Source: Annual Report, Insurance Department, State of Iowa.

Insurance companies doing business in Iowa (dollars in thousands)

	1960	1965	1970	1975	1980	1982	1983	1984
Life insurance								
Life considerations	$ 159,408	$ 222,335	$ 309,870	$ 434,581	$ 510,024	$ 596,750	$ 669,604	$ 716,827
Direct claims and benefits	45,246	108,378	155,075	188,382	333,045	391,022	449,785	497,708
In force December 31	7,712,277	11,548,791	18,082,838	25,346,285	31,329,457	57,419,043	62,908,920	67,924,600
Accident and Health								
Total premiums	44,818	99,309	164,701	231,070	340,943	393,214	460,344	478,500
Group premiums			100,447	148,272	228,478	279,470	306,059	316,242
Total claims	27,766	66,950	120,896	203,168	242,179	304,094	302,472	290,583
Group claims			88,066	124,931	189,299	223,207	228,814	211,297
Fire, Casualty, Multiple Line								
Total Premiums	210,573	251,676	385,706	652,630	1,368,433	1,263,617	1,257,715	1,313,335
Fire	26,719	23,412	30,442	38,104	45,235	44,730	33,305	38,343
Homeowners	11,416	22,697	35,509	65,556	114,433	123,897	125,288	126,012
Auto liability (BI, PD)	42,716	60,618	89,424	141,975	260,185	261,506	268,932	277,002
Auto physical damage	34,192	41,988	66,195	95,412	206,670	203,006	208,018	217,450
Workmen's compensation	12,747	16,543	27,134	69,048	191,169	171,744	162,511	142,179
Total direct losses	110,780	136,127	203,300	342,009	753,361	655,021	678,335	804,555
Fire	10,435	10,853	14,079	15,028	20,547	17,836	17,273	14,872
Homeowners	4,651	12,803	19,542	30,457	104,986	65,989	60,049	76,267
Auto liability (BI, PD)	23,535	36,502	57,240	88,941	128,602	157,108	163,649	182,449
Auto physical damage	18,021	23,121	39,406	72,796	142,572	122,082	122,034	139,900
Workmen's compensation	7,478	9,525	15,198	30,700	79,751	92,920	95,933	105,496

Source: Annual Report, Insurance Department, State of Iowa.

Ten leading states in agricultural exports



• = Year ending September 30.
Source: May/June, 1985; FATUS, U.S.D.A.

Value of agricultural exports, Iowa (millions)

	1970	1975	1980	1982	1983r	1984
All Commodities	$515.1	$1,723.5	$3,270.3	$3,215.4	$2,903.3	$3,444.7
Wheat Products	.8	5.4	8.0	39.0**	31.7**	34.6**
Feed Grains[1]	145.5	787.1	1,627.3	1,456.2	1,391.4	1,719.7
Soybean Products	170.7	489.8	1,180.2	1,374.0	1,088.5	1,285.9
Fruit and Preparations	—	.1	.3	.0	0.0	0.0
Vegetables and Preparations	.1	.5	1.0	.0	0.0	0.0
Dairy Products	8.7	12.0	11.9	15.0	23.1	26.0
Live Animals and Meats[2]	24.5	60.3	95.3	125.5	149.6	121.7
Hides and Skins	12.6	24.4	62.3	58.9	77.6	107.3
Poultry Products	2.1	2.4	6.2	6.4	3.9	2.7
Fats, Oils and Greases	24.8	38.4	54.2	61.6	54.6	64.0
Feeds and Fodders					41.5	40.5
Others[3]	52.6	128.8	223.6	78.9	41.4	42.3

r Revised.
** = Includes wheat, wheat flour and bulgar wheat
[1]Includes corn, barley, oats, grain sorghum, rye, corn gluton feed, corn-soy blends, corn oil, popcorn and other coarse grain products.
[2]Does not include poultry.
[3]Includes seeds, feeds and fodder, and miscellaneous animal products. Source: May/June, 1985; FATUS, U.S.D.A.

Value of agricultural exports, U.S. (millions)

(Fiscal Year October-September)

	1970	1975	1980	1982	1983r	1984
All Commodities	$6,721.4	$21,854.3	$40,480.5	$39,094.5	$34,769.5	$38,026.6
Wheat and Products	941.6	5,236.8	6,632.7	7,675.1**	6,223.1**	6,783.2**
Feed Grains[1]	987.3	4,858.3	9,628.1	7,684.6	7,342.8	9,075.1
Soybeans and Products	1,069.0	2,988.7	8,587.8	8,429.9	7,776.4	7,549.8
Fruits and Preparations	343.2	674.6	1,299.7	1,394.1	1,374.3	1,270.2
Vegetables and Preparations	196.8	533.9	954.2	1,442.1	989.5	998.5
Dairy Products	109.1	143.0	156.3	367.8	348.9	392.8
Live Animals and Meats	152.8	381.9	870.7	1,230.3	1,189.8	1,205.6
Hides and Skins	158.4	393.3	1,115.3	1,021.2	997.5	1,317.8
Poultry Products	76.0	112.0	546.5	579.0	451.1	412.8
Fats, Oils and Greases	208.1	400.6	784.4	701.6	593.2	703.2
Feeds and Fodders					563.3	550.0
Other[3]	650.2	1,632.9	2,767.5	2,389.0	1,716.5	1,826.3

r = Revised.
** = Includes wheat, wheat flour and bulgur wheat
[1]Includes corn, barley, oats, grain sorghum, rye, corn, gluton feed, corn-soy blends, corn oil, popcorn and other coarse grain products.
[2]Does not include poultry.
[3]Includes seeds, feeds and fodder, and miscellaneous animal products.
Source: May/June, 1985; FATUS, U.S.D.A.

Value of agricultural exports, Midwest

Twelve Midwest states account for 53.7% of total U.S. agricultural exports in 1984.

U.S. $38,026.6
(figures in millions)

	1984*
Illinois	$3,279.3
Indiana	1,594.3
IOWA	3,444.7
Kansas	2,146.6
Michigan	816.7
Minnesota	2,074.6
Missouri	865.6
Nebraska	2,177.5
North Dakota	1,510.2
Ohio	1,193.2
South Dakota	672.6
Wisconsin	644.1

* = Year ending September 30.
Source: May/June, 1985; FATUS, U.S.D.A.

Leading states for agricultural exports, 1984[1] (millions)

Selected Commodities	United States	5 Leading States				
		1	2	3	4	5
All Commodities	$38,026.6	IOWA 3,444.7	Ill. 3,279.3	Calif. 2,656.1	Nebr. 2,177.5	Texas 2,146.6
Soybeans and Products[2]	7,549.8	IOWA 1,285.9	Ill. 1,232.2	Minn. 700.6	Ind. 565.2	Ohio. 484.4
Feed Grains and Products[3]	9,075.1	Ill. 1,750.9	IOWA 1,719.7	Neb. 1,126.2	Ind. 849.4	Minn. 746.9
Hides and Skins	1,317.8	Tex. 184.4	Neb. 165.4	Kans. 153.9	IOWA 107.3	Colo. 69.3
Live Animals and Meats[4]	1,205.6	Ky. 173.0	Tex. 125.2	IOWA 121.7	Neb. 116.0	Kans. 101.3
Fats, Oils and Greases	703.2	Tex. 110.2	Neb. 98.6	Kans. 91.8	IOWA 64.0	Colo. 41.3
Feed and Fodders[5]	550.0	Fla 60.4	Calif 48.8	Minn. 43.1	IOWA 40.5	Ill. 36.9
Dairy Products	392.8	Wisc. 82.3	Calif. 79.9	Minn. 64.8	Mich. 26.3	IOWA 26.0

[1]Fiscal year ending September 30.
[2]Includes soybean oil and protein meal.
[3]Includes corn, barley, oats, grain sorghum, rye, corn gluten feed, corn-soy blends, corn oil, popcorn and other coarse grain products.
[4]Excludes poultry.
[5]Includes corn byproducts, alfalfa meal and cubes, beet pulp, citris pulp pellets and other feeds and fodders.
Source: May/June, 1985; FATUS, U.S.D.A.

Iowa's top 15 agricultural export customers, 1984

	Soybeans & Products	Feed Grains & Products*	Feed & Fodders**	Meat Products	Totals
1. Japan	$222,301,300	$441,936,600	$13,392,800	49,395,100	$733,497,200
2. Mexico	105,557,600	154,350,600	691,600	3,508,000	274,853,100
3. Netherlands	183,389,400	19,583,700	44,984,500	1,626,000	254,586,600
4. U.S.S.R.	21,420,500	184,424,200	–	–	214,852,600
5. Spain	90,324,200	69,645,400	20,100	116,900	161,789,100
6. Taiwan	70,779,200	83,354,800	2,350,500	653,200	159,044,900
7. Belgium-Luxemburg	50,001,300	62,272,000	285,100	2,492,500	115,651,400
8. Fed. Rep. of Germany	97,104,500	3,009,300	12,916,800	320,600	114,682,000
9. South Korea	39,637,500	88,911,100	348,400	839,600	99,769,100
10. Portugal	35,418,000	61,166,200	201,700	1,700	97,897,500
11. Rep. of South Africa	400,700	75,886,000	37,200	8,400	77,312,500
12. Italy	47,126,800	10,132,800	629,100	17,472,700	75,783,000
13. Venezuela	32,100,400	38,913,100	160,900	479,300	73,724,400
14. Egypt	2,485,500	38,345,100	141,300	2,474,800	59,547,700
15. Canada	36,129,000	7,728,900	3,589,700	8,503,400	58,035,700

*Includes barley, corn, oats, and sorghum grain.
**Includes corn gluten meal, alfalfa and alfalfa meal, formula feeds, citrus pulp, pellets and meal.
These figures were derived from the contribution of state and region to national output and/or sales. They do not show actual exports, but reflect the common stake of state and region in the national export total.
Source: May/June, 1985; FATUS, U.S.D.A.
Compiled by Marketing Division, Iowa Department of Agriculture.

Manufactured exports, Iowa (millions)

SIC Code	Product Category	1960	1966	1972	1976	1980	1981
	Total Exports	$211.4	$336.9	$589.6	$1,499.8	$2,844.8	$2,705.0
20	Food & Kindred Products	51.4	58.6	130.5	262.1	369.6	450.4
21	Tobacco Manufactures	—	—	—	—	—	—
22	Textile Mill Products	—	—	—	—	.9	.4
23	Apparel & Other Textile Mill Products	0.7	T	—	—	2.2	5.7
24	Lumber & Wood Products	1.0	T	—	12.1	16.6	20.9
25	Furniture & Fixtures	0.2	S	—	0.9	.8	1.5
26	Paper & Allied Products	—	S	—	7.2	13.2	14.1
27	Printing & Publishing	1.3	T	—	5.8	4.3	5.2
28	Chemicals & Allied Products	3.8	9.3	39.4	83.9	410.0	300.7
29	Petroleum & Coal Products	—	0.9	—	—	—	—
30	Rubber & Plastics	3.8	6.3	14.4	51.9	75.2	85.9
31	Leather & Leather Products	S	—	—	—	—	—
32	Stone, Clay & Glass	—	0.1	—	3.1	4.8	5.2
33	Primary Metal Industries	2.3	U	—	24.2	187.2	137.5
34	Fabricated Metal Products	5.7	9.9	14.7	46.2	94.1	107.2
35	Machinery, except electrical	92.3	165.6	269.6	745.5	1,364.0	1,252.6
36	Electrical Equipment & Supplies	30.3	51.6	87.9	194.1	186.4	183.5
37	Transportation Equipment	S	3.2	15.9	20.3	—	—
38	Instruments & Related Products	—	T	—	7.6	10.7	10.9
39	Misc. Mfg.	12.2	14.7	—	28.6	59.6	58.2

(S) Less than $1.0 million
(T) $1.0 but less than $5.0 million
(U) $5.0 but less than $10.0 million
(V) $10.0 but less than $25.0 million

Source: Origin of Exports of Manufactured Products, 1981 Annual Survey of Manufacturers, Bureau of the Census, U.S. Department of Commerce.

Manufactured exports, Midwest states

Selected Midwest States	1980 Total direct manufactured export (million dollars)	1980 Supporting exports (million dollars)	1980 Total export related (million dollars)	1981 Manufacturing employment direct exported related (1,000)	1981 Total direct manufactured export (million dollars)	1981 Supporting exports (million dollars)	1981 Total export related (million dollars)	1981 Manufacturing employment direct exported related (1,000)
United States	151,216.2	98,585.2	249,801.4	1,486.4	164,283.1	107,419.5	271,702.6	1,486.0
IOWA	2,834.4	1,082.6	3,917.0	21.5	2,705.0	1,235.4	3,940.4	19.3
Illinois	10,084.3	6,360.3	16,444.6	88.0	10,368.7	6,670.2	17,038.9	84.0
Indiana	4,512.7	4,228.5	8,741.2	43.4	5,008.1	4,684.1	9,692.2	45.2
Kansas	1,439.4	1,029.0	2,468.4	13.3	1,516.6	1,161.3	2,677.9	14.2
Michigan	8,764.5	4,730.1	13,494.6	75.5	10,275.0	5,237.3	15,512.3	74.4
Minnesota	2,574.7	1,334.4	3,909.1	26.9	2,729.5	1,405.1	4,134.6	26.3
Missouri	2,381.9	1,781.9	4,163.8	21.6	3,012.6	1,848.8	4,861.4	26.8
Nebraska	745.5	508.3	1,253.8	4.6	945.3	532.0	1,477.3	6.0
Ohio	10,200.4	7,194.0	17,394.4	103.0	10,352.6	7,779.7	18,132.3	96.1
South Dakota	169.6	75.0	244.6	1.3	185.2	81.8	267.0	1.2
Wisconsin	3,836.0	2,371.5	6,207.5	42.8	4,031.4	2,558.7	6,590.1	39.3

Source: Origin of Exports of Manufactured Products, 1980 and 1981 Annual Survey of Manufacturers, Bureau of the Census, U.S. Department of Commerce.

Economic contribution of manufactured Iowa exports

		value of manufacturers' shipments					manufacturing employment				
		Total[1] (million dollars)	Direct exports[2] (million dollars)	Supporting exports[3] (million dollars)	Total exported related[4] (million dollars)	Total export related as percent of total shipments	Total[5] (1,000)	Direct export related[6] (1,000)	Support-ing exports[7]	Total export related[8] (1,000)	Total export related as percent of total em-ployment
SIC		A	B	C	D	E	F	G	H	I	J
	Iowa	33,220.6	2,705.0	1,235.4	3,940.4	11.8	235.8	19.3	9.2	28.5	12.0
20	Food and kindred products	13,463.0	450.4	276.3	726.7	5.3	46.1	1.1	0.9	2.0	4.3
22	Textile mill products	19.7	0.4	0.9	1.3	6.5	0.3	(z)	(z)	(z)	(z)
23	Apparel and other textiles	164.7	5.7	2.8	8.5	5.1	4.4	.1	.1	.2	4.5
24	Lumber and wood products	281.9	20.9	16.9	37.8	13.4	4.6	.2	.3	.5	10.8
25	Furniture and fixtures	268.2	1.5	2.2	3.7	1.3	4.0	(z)	(z)	(z)	(z)
26	Paper and allied products	592.4	14.1	47.3	61.4	10.3	5.0	(z)	.4	.4	7.9
27	Printing and publishing	1,024.9	5.2	14.3	19.5	1.9	17.0	(z)	.2	.2	1.1
28	Chemicals and allied products	2,482.6	300.7	217.6	518.3	20.8	7.2	.7	.5	1.2	16.6
30	Rubber, miscellaneous plastic products	972.0	85.9	60.3	146.2	15.0	10.3	.9	.6	1.5	14.5
32	Stone, clay, glass products	651.9	5.2	28.1	33.3	5.1	6.2	(z)	.3	.3	4.8
33	Primary metal industries	1,326.9	137.5	198.0	335.5	25.2	8.7	.6	1.3	1.9	21.8
34	Fabricated metal products	1,405.5	107.2	37.4	194.6	13.8	18.1	1.3	1.1	2.4	13.2
35	Machinery except electrical	7,488.5	1,252.6	196.7	1,449.3	19.3	61.7	9.4	1.9	11.3	18.3
36	Electric, electronic equipment	1,907.1	183.5	59.0	242.5	12.7	23.3	2.6	.7	3.3	14.1
38	Instruments, related products	95.5	10.9	3.3	14.2	14.8	1.7	.1	.1	.2	11.7
39	Miscellaneous manufacturing industries	429.6	58.2	4.9	63.1	14.6	5.7	1.1	.1	1.2	21.0
—	Administrative, auxiliary	(x)	(x)	(x)	(x)	(x)	3.6	(x)	.5	.5	13.8

(X) Not applicable.
(Z) Less than one-half of the unit of measurement shown.
[1]Includes total domestic and export shipments for all manufacturing establishments.
[2]Includes only the value of manufactured products exported by the producing plants.
[3]Includes shipments of components, parts, supplies, etc., used by plants producing the export product.
[4]Total export related shipments are the sum of columns B and C.
[5]Includes employees of central administrative offices and auxiliaries (warehouses, garages, repair shops, etc.) serving operating manufacturing establishments.
[6]Employment is limited to paid employees in manufacturing plants producing the export product.
[7]Manufacturing employment at establishments producing components, parts, supplies, etc. for use by plants producing for export.
[8]The employment totals shown are the sum of columns G and H.
Source: Origin of Exports of Manufactured Products, 1981 Annual Survey of Manufacturers, Bureau of the Census, U.S. Department of Commerce.

Iowa exports contribute to U.S. balance of payments

	Agricultural Exports (millions of dollars)		
	1984 Iowa	1984 U.S.	% of U.S. Share
Wheat and Products	34.6	6,783.2	.51
Feed Grains[1]	1,719.7	9,075.1	18.95
Soybeans and Products[2]	1,28590	7,549.8	17.03
Fruits and Preparations	.0	1,270.2	.00
Vegetables and Preparations	.0	998.4	.00
Dairy Products	26.0	392.8	6.62
Live Animals and Meats[3]	121.7	1,205.6	10.09
Hides and Skins	107.3	1317.8	8.14
Poultry Products	2.7	412.8	1.65
Fats, Oils and Greases	64.0	703.2	9.10
Feeds and Fodders	40.5	550.0	7.36
Other[4]	42.3	1,826.3	2.32
Total	3,444.7	38,026.6	9.06

[1]Includes corn, barley, oats, grain sorghum, rye, corn gluten feed, corn-soy blends, corn oil, popcorn and the coarse grain products.
[2]Includes soybean oil and protein meal.
[3]Excludes poultry
[4]Includes seeds, feed and fodder, and miscellaneous animal products.
Source: May/June, 1985; FATUS, U.S.D.A.

		Manufactured Exports		
Sic Code	Product Category	1981 Iowa	1981 U.S.	% of U.S. Share
20	Food and Kindred Products	450.4	12,142.2	3.71
21	Tobacco Manufacturers	—	2,142.9	—
22	Textile Mill Products	.4	2,570.9	.02
23	Apparel and Other Textile Mill Products	5.7	1,340.2	.43
24	Lumber and Wood Products	20.9	2,628.0	.80
25	Furniture and Fixtures	1.5	531.7	.28
26	Paper and Allied Products	14.1	4,108.2	.34
27	Printing and Publishing	5.2	1,283.5	.40
28	Chemicals and Allied Products	300.7	19,331.5	1.55
29	Petroleum and Coal Products	—	3,349.3	—
30	Rubber and Plastics	85.9	2,677.9	3.20
31	Leather and Leather Products	—	523.7	—
32	Stone, Clay and Glass	5.2	1,806.0	.29
33	Primary Metal Industries	137.5	6,163.2	2.23
34	Fabricated Metal Products	107.2	7,057.9	1.52
35	Machinery, except Electrical	1,252.6	38,429.8	3.26
36	Electrical Equipment and Supplies	183.5	16,494.3	1.11
37	Transportation Equipment	—	31,166.1	—
38	Instruments and Related Products	10.9	8,004.4	.14
39	Misc. Mfg.	58.2	2,531.5	2.29
	Total Exports	2,705.0	164,283.10	1.64

Source: Origin of Exports of Manufactured Products, 1981 Annual Survey of Manufacturers, Bureau of the Census, U.S. Department of Commerce.

Foreign investment in U.S. and Iowa, 1982

The countries of Canada, Germany and the United Kingdom account for 67% of the direct investment in Iowa. Manufacturing industries attracted 55% of all foreign investment in 1982, followed by 12% in real estate.

(in millions of dollars)

	U.S.	% of Total	Iowa	% of Total
Canada	$ 57,040	25.5%	$380	32.3%
Germany	19,913	8.9	225	19.1
United Kingdom	42.127	18.9	190	16.1
Netherlands	38,951	17.4	84	7.1
France	15,005	6.7	49	4.2
Japan	8,664	3.9	81	6.9
Switzerland	9,262	4.1	27	2.3
Others	32,303	14.5	142	12.1
Total Foreign Investment	$223,265	–	$1,178	–

Source: Foreign, Direct Investment in the United States, 1982; Bureau of Economic Analysis, U.S. Department of Commerce.

Foreign direct investment in manufacturing, 1982 (in millions of dollars)

	Food and Kindred Products	Chemicals and Allied Products	Primary and Fabricated Metals	Machinery	Other	Total Manufacturing Investment	Total Investment in all Industries
United States	$4,421	$42,638	$8,035	$10,242	$19,040	$84,376	$223,265
Illinois	329	936	410	699	460	2,834	6,400
Indiana	104	500	75	153	450	1,282	1,992
IOWA	4	270	*	130	*	654	1,178
Kansas	41	209	7	95	128	480	971
Michigan	123	399	63	439	784	1,809	4,770
Minnesota	38	*	*	145	435	748	3,432
Missouri	46	487	*	144	*	1,476	2,277
Nebraska	*	59	5	*	1	97	328
Ohio	279	775	631	431	871	2,987	6,120
South Dakota	*	1	*	*	2	31	412
Wisconsin	122	137	21	356	950	1,586	2,543

* = Suppressed to avoid disclosure of data of individual companies.
Source: Foreign Direct Investment in the United States, 1982; Bureau of Analysis, U.S. Department of Commerce.

Mining

Mineral production[1]

Nonfuel mineral production in Iowa[1]
(thousand short tons)

Mineral	1980 Quantity	1980 Value (thousands)	1982 Quantity	1982 Value (thousands)	1983 Quantity	1983 Value (thousands)	1984 Quantity	1984 Value (thousands)	1985[p] Quantity	1985[p] Value (thousands)
Cement:										
Masonry	48	$ 3,340	W	W	37	$ 3,425	42	$ 3,260	40	$ 3,200
Portland	1,998	101,008	1,622	$ 82,225	1,644	87,836	1,730	92,699	1,700	93,400
Clays	754	2,555	437	2,392	576	3,258	623	2,695	530	2,290
Gem Stones	—	—	XX	1	XX	1	—	—	—	—
Gypsum	1,468	13,136	1,177	11,345	1,612	13,518	1,527	12,421	1,532	12,716
Peat	11	276	*	*	*	*	11	400	11	409
Sand and gravel	(2)12,683	(2)32,722	10,064	25,618	[p]11,800	[p]32,800	13,882	37,027	12,000	30,500
Stone:										
Crushed	26,542	92,603	22,600	88,800	24,844	101,097	23,800	100,000	29,000	117,000
Dimension	10	509	W	W	W	W	W	W	W	W
Combined value of other nonmetals and value indicated by symbol W	XX	5,727	XX	8,256	XX	5,425	XX	4,943	XX	6,048
Total	XX	$251,876	XX	218,637	XX	247,360	XX	253,445	XX	265,563

* = Included in combined value of other nonmetals.
p = Preliminary.
XX = Not applicable.
W = Withheld to avoid disclosing company proprietary data.
[1]Production as measured by mine shipments, sales, or marketable production (including consumption by producers).
[2]Excludes industrial sand; value included in "Combined value" figure.
Source: Bureau of Mines, U.S. Department of the Interior.

Coal production

Year	Quantity (short tons)	Avg. Mine[1] Price/ton	Total Value
1950	1,891,000	$ 3.69	$ 6,977,000
1960	1,068,000	3.60	3,845,000
1965	1,043,000	3.54	3,694,000
1970	987,000	4.11	4,059,000
1975	622,000	11.08	6,891,000
1979	726,744	19.08	13,866,300
1980	559,404	21.33	11,932,100
1981	708,137	20.00	14,162,700
1982	566,322	21.81	12,351.483
1983	385,320	27.06	10,426.759
1984	526,000	25.32	13,318,320

[1]Unwashed coal.
Source: Office of Surface Mining, Bureau of Mines, U.S. Department of Interior.

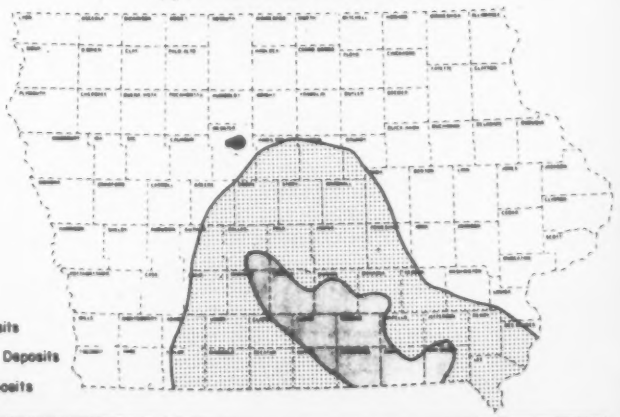
Distribution of Pennsylvania Rock

Summary of reserves

The estimated original coal reserves of Iowa total 7,236.54 million short tons, of which 3,500.72 million tons is classed as measured and indicated reserves and 3,735.82 million tons is classed as inferred. A total area of about 1,316,040 acres in 37 counties was included in the reserve calculations; an additional area of about 1,291,830 acres in 44 counties is indicated by the currently available information to be favorable for the presence of coal beds more than 14 inches thick.

Source: Coal Resources of Iowa, Technical Paper #4 Iowa Geological Survey, 1965.

Gypsum Resource Areas



Mineral production by county[2] (thousands of dollars)

County	1981	1982	Minerals produced in 1982 in order of value
Adair	W	[3]	
Adams	W	[3]	
Allamakee	$ 311	$ 76	Sand and gravel.
Appanoose	W	W	Clays, sand and gravel.
Audubon	[4]	W	Sand and gravel.
Benton	W	W	Do.
Black Hawk	W	964	Do.
Boone	[4]	1,644	Do.
Bremer	W	[3]	
Buchanan	1,247	W	Sand and gravel.
Buena Vista	[4]	W	Do.
Butler	520	W	Do.
Calhoun	[4]	70	Do.
Carroll	[4]	397	Do.
Cass	W	W	Do.
Cedar	W	W	Do.
Cerro Gordo	W	W	Clement, clays, sand and gravel.
Cherokee	[4]	398	Sand and gravel.
Chickasaw	377	[3]	
Clarke	466	[3]	
Clay	[4]	342	Sand and gravel.
Clayton	W	W	Sand (industrial), sand and gravel.
Clinton	1,752	W	Sand and gravel.
Crawford	[4]	—	
Dallas	W	W	Sand and gravel, clays.
Davis	W	[3]	
Decatur	610	[3]	
Delaware	1,048	W	Sand and gravel.
Des Moines	W	W	Gypsum, sand and gravel.
Dickinson	[4]	382	Sand and gravel.
Dubuque	W	[3]	
Emmett	[4]	W	Sand and gravel.
Fayette	1,223	W	Do.
Floyd	W	81	Do.
Franklin	W	172	Do.
Fremont	284	[3]	
Greene	[4]	524	Sand and gravel.
Grundy	[4]	—	
Guthrie	[4]	210	Sand and gravel.
Hamilton	518	W	Do.
Hancock	W	W	Sand and gravel, peat.
Hardin	6,527	W	Sand and gravel.
Harrison	1,085	[3]	
Henry	W	[3]	
Howard	392	45	Sand and gravel.
Humboldt	952	W	Do.
Ida	[4]	W	Do.
Iowa	—	W	Do.
Jackson	1,016	W	Do.
Jasper	322	W	Do.
Jefferson	W	[3]	
Johnson	W	W	Sand and gravel.
Jones	2,171	465	Do.
Keokuk	W	W	Do.
Kossuth	[4]	97	Do.
Lee	W	175	Do.
Linn	W	958	Sand and gravel, peat.
Louisa	W	W	Sand and gravel.
Lyon	[4]	290	Do.
Madison	W	W	Clays.
Mahaska	151	[3]	
Marion	W	W	Sand and gravel, gypsum.
Marshall	W	557	Sand and gravel.
Mills	240	[3]	
Mitchell	W	W	Sand and gravel.
Monona	[4]	W	Do.
Monroe	863	[3]	
Montgomery	1,404	[3]	
Muscatine	W	479	Sand and gravel.
O'Brien	[4]	W	Do.
Osceola	[4]	304	Do.
Page	420	W	Do.
Palo Alto	[4]	W	Do.
Plymouth	[4]	1,350	Do.
Pocahontas	W	[3]	
Polk	13,889	W	Cement, sand and gravel.
Pottawattamie	W	W	Sand and gravel.
Poweshiek	W	[3]	
Sac	[4]	1,196	Sand and gravel.
Scott	34,713	W	Cement, lime, clays.
Shelby	[4]	W	Sand and gravel.
Sioux	[4]	667	Do.
Story	W	W	Do.
Tama	W	W	Do.
Taylor	216	[3]	
Union	W	[3]	
Van Buren	1,465	W	Sand and gravel.
Wapello	W	W	Sand and gravel, clays.
Washington	W	W	Sand and gravel.
Webster	W	8,810	Gypsum, sand and gravel.
Winnebago	W	W	Peat.
Winneshiek	2,150	174	Sand and gravel.
Woodbury	W	W	Sand and gravel.
Worth	1,037	W	Sand and gravel.
Wright	[4]	W	Sand and gravel.
Undistributed[5]	122,939	109,009	
Sand and gravel	[6]29,080	XX	
Stone	XX	[6]88,800	
Total[7]	$229,391	$218,637	

[6] = Estimated.
W = Withheld to avoid disclosing company proprietary data; included with "Undistributed."
XX = Not applicable.
[1]Ringgold and Wayne Counties not listed because no nonfuel mineral production was reported.
[2]County distribution for construction sand and gravel (1981), and crushed stone (1982) is not available.
[3]Crushed stone was produced; data not available by county.
[4]Construction sand and gravel was produced; data not available by county.
[5]Includes gem stones and stone (dimension,1982) that cannot be assigned to specific counties and values indicated by symbol W.
[7]Data may not add to totals shown because of independent rounding.
Source: Bureau of Mines, 1983 Minerals Yearbook, U.S. Department of the Interior.

Midwest nonfuel mineral production, 1983

State	Value (Thousands)	U.S. Rank	Percent of U.S. Total	Principal minerals in order of value
Illinois	$ 406,907	19	1.93	Stone, cement, sand and gravel
Indiana	250,452	26	1.19	Stone, cement, sand and gravel, lime
IOWA	247,360	27	1.17	Stone, cement, sand and gravel, gypsum
Kansas	267,004	25	1.26	Cement, salt, stone, sand and gravel
Minnesota	1,455,030	4	6.88	Iron ore, sand and gravel, stone
Missouri	725,809	8	3.43	Lead, cement, stone, lime
Nebraska	94,844	41	.45	Cement, stone, sand and gravel, lime
Ohio	479,144	15	2.27	Stone, salt, lime, sand and gravel
South Dakota	222,251	32	1.05	Gold, cement, dimension stone
Wisconsin	101,191	39	.48	Lime, sand and gravel, sodium carborate
U.S. Total	$21,134,000	XX	20.11	

XX = Not applicable.
Source: Bureau of Mines, Minerals Yearbook 1983, U.S. Department of Interior.

Population

Urban/rural trend, 1840-1980

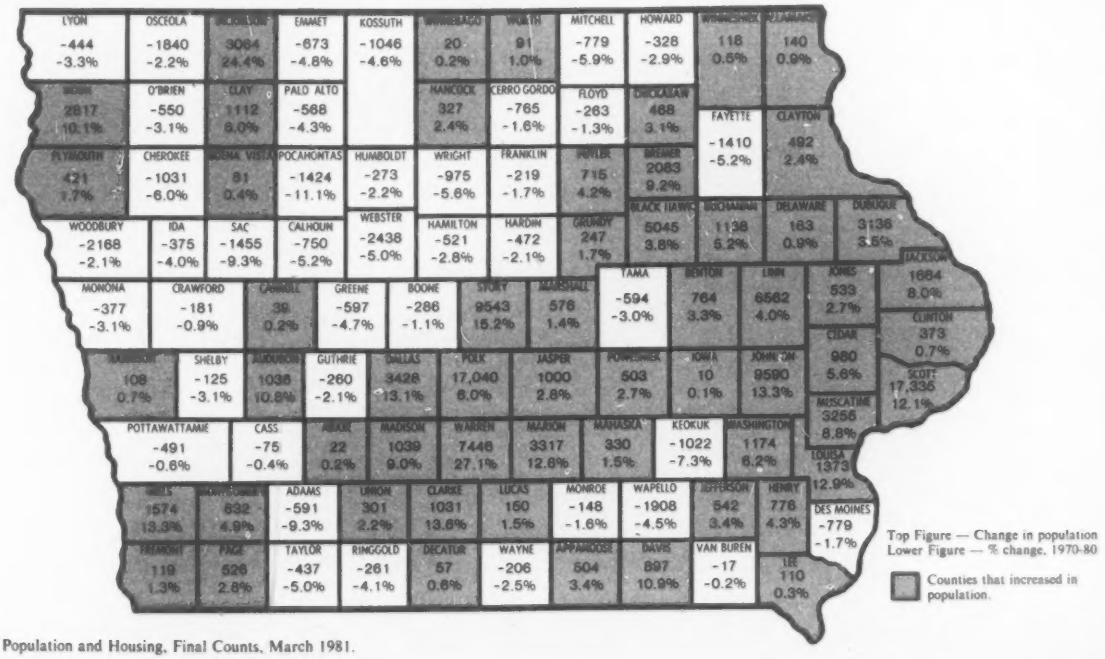
The population of the state of Iowa is 2,913,808, over half of which is urban. The state's largest county, Polk County, has a population of 303,170.

Iowa's ten largest cities are: Des Moines, 191,003; Cedar Rapids, 110,243; Davenport, 103,243; Sioux City, 82,003; Waterloo, 75,985; Dubuque, 62,321; Council Bluffs, 56,449; Iowa City, 50,508; Ames, 45,775; and Cedar Falls, 36,322.

	The State			Urban				Rural			Percent of total	
		Change From Preceding Census		Places of 2,500 or More		Change From Preceding Census			Change From Preceding Census			
	Population[1]	Number	Percent		Population	Number	Percent	Population	Number	Percent	Urban	Rural
Current urban definition:												
1980 (Apr. 1)	2,913,808	88,440	3.1	124	1,708,232	91,827	5.7	1,205,576	-2,395	-0.2	58.6	41.4
1970 (Apr. 1)	2,825,041	67,504	2.4	111	1,616,405	153,893	10.5	1,207,971	-87,054	-6.7	57.2	42.8
1960 (Apr. 1)	2,757,537	136,464	5.2	104	1,462,512	211,574	16.9	1,295,025	-75,110	-5.5	53.0	47.0
1950 (Apr. 1)	2,621,073	82,805	3.3	93	1,250,938	....	...	1,370,135	....	...	47.7	52.3
Previous urban definition:												
1960 (Apr. 1)	2,757,537	136,464	5.2	104	1,439,525	210,092	17.1	1,318,012	-73,628	-5.3	52.2	47.8
1950 (Apr. 1)	2,621,073	82,805	3.3	93	1,229,433	145,202	13.4	1,391,640	-62,397	-4.3	46.9	53.1
1940 (Apr. 1)	2,538,268	67,329	2.7	89	1,084,231	104,939	10.7	1,454,037	-37,610	-2.5	42.7	57.3
1930 (Apr. 1)	2,470,939	66,918	2.8	81	979,292	103,797	11.9	1,491,647	-36,879	-2.4	39.6	60.4
1920 (Jan. 1)	2,404,021	179,250	8.1	81	875,495	195,441	28.7	1,528,526	-16,191	-1.0	36.4	63.6
1910 (Apr. 15)	2,224,771	7,082	0.3	69	680,054	107,668	18.8	1,544,717	-114,750	-6.9	30.6	69.4
1900 (June 1)	2,231,853	319,556	16.7	70	572,386	166,622	41.1	1,659,467	152,934	10.2	25.6	74.4
1890 (June 1)	1,912,297	287,682	17.7	46	405,764	158,337	64.0	1,506,533	129,345	9.4	21.2	78.8
1880 (June 1)	1,624,615	430,595	36.1	34	247,427	91,100	58.3	1,377,188	339,495	32.7	15.2	84.8
1870 (June 1)	1,194,020	519,107	76.9	22	156,327	96,299	160.4	1,037,693	422,808	68.8	13.1	86.9
1860 (June 1)	674,913	482,699	251.1	9	60,028	50,298	516.9	614,885	432,401	237.0	8.9	91.1
1850 (June 1)	192,214	149,102	345.8	3	9,730	9,730	...	182,484	139,372	323.3	5.1	94.9
1840 (June 1)	43,112[1]	....	....	..	....	....	...	43,112	....	...	...	100.0

Includes population of area now constituting that part of Minnesota lying west of the Mississippi River and a line drawn from its source northward to the Canadian boundary. This area formed part of Iowa Territory in 1840.
Source: 1980 Census of Population. U.S. Department of Commerce, Bureau of the Census.

Population change 1970-1980



Source: 1980 Census of Population and Housing, Final Counts, March 1981.

Iowa's 100 fastest growing communities

Places (Ranked)	1970-80 % Change
Johnston	1,078.9
Asbury	392.0
De Soto	180.5
Bondurant	177.7
Wahpeton	149.7
Grimes	136.6
Polk City	131.9
Pleasant Hill	127.6
Long Grove	121.6
Eldridge	113.6
Peosta	110.5
Sergeant Bluff	107.6
West Okoboji	107.1
Buck Grove	104.9
Huxley	101.1
Altoona	99.9
Hiawatha	99.7
Clive	96.5
Plain View	95.7
Treynor	94.9
North Liberty	93.9
Crescent	92.6
Shueyville	86.4
Millville	85.2
Swan	82.1

Places (Ranked)	1970-80 % Change
Ankeny	68.6
McCausland	68.6
Lakeside	66.9
LeGrand	63.0
Van Meter	61.0
Beacon	56.8
Swisher	56.8
Okoboji	54.8
Ely	54.5
Gilbert	54.5
Norwalk	53.4
Princeton	52.4
Fremont	52.1
Branson	49.7
Hudson	47.7
Atalissa	47.5
Luxemburg	46.5
Coburg	44.4
Walcott	44.1
Dakota City	43.7
Martensdale	43.1
Bankston	42.9
Ridgeway	41.3
Montrose	41.2
Waukee	41.2

Places (Ranked)	1970-80 % Change
West Branch	41.2
Denver	40.9
Badger	40.4
Hazelton	40.1
Westphalia	39.7
Meriden	39.5
Readlyn	39.3
Milo	38.7
Tiffin	38.1
Orleans	37.9
Carlisle	36.8
Camanche	36.2
Mediapolis	35.7
Superior	35.3
Vining	35.2
Hinton	35.0
Monroe	35.0
Barnum	34.7
Westfield	34.5
Balltown	34.2
Donahue	33.8
Packwood	33.8
Parnell	33.7
Wilton	33.6
Blue Grass	33.4

Places (Ranked)	1970-80 % Change
Colo	33.3
Fredenia	33.3
West Des Moines	33.2
Sioux Center	33.0
Grandview	32.5
Cushing	32.4
Kinross	31.9
Spirit Lake	31.9
Williamsburg	31.7
Dolliver	31.6
North Buena Vista	31.4
Story City	31.3
Hartford	30.8
Stanton	30.1
New Sharon	29.8
Ionia	29.6
Floris	29.0
Westgate	28.9
Garner	28.8
Delphos	28.6
Orange City	28.4
Newhall	28.2
Franklin	27.9

Source: 1980 Census of Population and Housing, March 1981.

Population by sex and age

Age	Total	Female	Male
Under 1 year	47,988	23,966	24,022
1-2 years	89,624	43,388	46,236
3-4 years	83,833	41,091	42,742
5 years	41,112	19,844	21,268
6 years	39,162	19,543	19,619
7-9 years	130,197	63,369	66,828
10-13 years	183,448	89,405	94,043
14 years	48,915	23,855	25,060
15 years	52,403	25,484	26,919
16 years	55,285	26,598	28,687
17 years	55,474	27,884	27,590
18 years	56,695	28,658	28,037
19 years	57,836	28,891	28,945
20 years	57,148	29,019	28,129
21 years	55,213	27,579	27,634
22-24 years	159,373	79,587	79,786
25-29 years	241,119	118,652	122,467
30-34 years	208,686	103,557	105,129
35-44 years	302,628	153,156	149,479
45-54 years	281,293	144,495	136,798
55-59 years	144,553	74,941	69,612
60-61 years	55,477	29,425	26,052
62-64 years	78,864	42,298	36,566
65-74 years	216,681	121,790	94,891
75-84 years	126,935	80,495	46,440
85 years and over	43,866	30,712	13,154
Total	2,913,808	1,497,682	1,415,705
Median Age	30.0		

Source: 1980 Census of Population and Housing, U.S. Department of Commerce, Bureau of the Census.

Population and land area of counties, 1970-1980

	1980 Population						1970 Population			Percent Change, 1970 to 1980		
	Land Area in Square Miles, 1980	Total		Urban		Rural						
		Number	Per Square Mile	Total	Percent of Total	Total	Total	Urban	Rural	Total	Urban	Rural
IOWA	55,965	2,913,808	52.1	1,708,232	58.6	1,205,576	2,825,041	1,616,405	1,207,971	3.1	5.7	-0.2
Adair	569	9,509	16.7	—	—	9,509	9,487	—	9,487	.2	—	.2
Adams	426	5,731	13.4	—	—	5,731	6,322	—	6,322	-9.3	—	-9.3
Allamakee	636	15,108	23.8	3,775	25.0	11,333	14,968	3,883	11,085	.9	-2.7	2.2
Appanoose	523	15,511	29.7	6,558	42.3	8,953	15,007	6,531	8,476	3.4	.4	5.6
Audubon	448	8,559	19.1	2,841	33.2	5,718	9,595	2,907	6,688	-10.8	-2.3	-16.9
Benton	718	23,649	32.9	7,943	33.6	15,706	22,885	7,655	15,230	3.3	3.7	3.1
Black Hawk	568	137,961	240.8	120,290	87.2	17,671	132,916	112,881	20,035	3.8	3.7	3.8
Boone	573	26,184	45.7	12,602	48.1	13,582	26,470	12,468	14,002	-1.1	1.1	-2.9
Bremer	439	24,820	56.5	8,444	34.0	16,376	22,737	7,205	15,532	9.2	17.2	5.4
Buchanan	568	22,900	40.3	6,360	27.8	16,540	21,762	5,910	15,836	5.2	8.0	4.4
Buena Vista	572	20,774	36.3	8,814	42.4	11,960	20,693	8,591	12,102	.4	2.6	-1.1
Butler	582	17,668	30.4	—	—	17,668	16,953	—	16,953	4.2	—	4.2
Calhoun	571	13,542	23.7	—	—	13,542	14,292	—	14,292	-5.2	—	-5.2
Carroll	574	22,951	39.9	9,705	42.3	13,246	22,912	8,716	14,196	.2	11.3	-6.7
Cass	559	16,932	30.3	7,789	46.0	9,143	17,007	7,306	9,701	-0.4	6.6	-5.7
Cedar	585	18,635	31.9	3,055	16.4	15,580	17,655	2,877	14,778	5.6	6.2	5.4
Cerro Gordo	575	48,458	84.3	37,602	77.6	10,856	49,223	36,921	12,414	-1.6	1.8	-12.5
Cherokee	573	16,238	28.3	7,004	43.1	9,234	17,269	7,272	9,997	-6.0	-3.7	-7.6
Chickasaw	505	15,437	30.6	3,940	25.5	11,497	14,969	3,621	11,348	3.1	8.8	1.3
Clarke	429	8,612	20.1	3,750	43.5	4,862	7,581	3,124	4,457	13.6	20.0	9.0
Clay	570	19,576	34.3	11,726	59.8	7,850	18,464	10,278	8,186	6.0	14.1	4.1
Clayton	779	21,098	27.1	—	—	21,098	20,606	—	20,606	2.4	—	2.4
Clinton	693	57,122	82.4	42,065	73.6	15,057	56,749	41,836	14,913	.7	.5	.9
Crawford	716	18,935	26.4	6,675	35.2	12,260	19,116	6,218	12,898	-.9	7.3	-4.9
Dallas	597	29,513	49.4	9,899	33.5	19,614	26,085	6,906	19,179	13.1	43.3	2.2
Davis	509	9,104	17.8	2,849	31.3	6,255	8,207	2,718	5,489	10.9	4.8	13.9
Decatur	530	9,794	18.5	2,705	27.6	7,089	9,737	2,540	7,197	.6	6.5	-1.5
Delaware	572	18,933	33.1	4,942	26.1	13,991	18,770	4,641	14,056	.9	6.5	-.4
Des Moines	408	46,203	113.2	32,630	70.6	13,573	46,982	35,505	11,477	-1.7	-8.0	18.3
Dickinson	380	15,629	41.1	3,976	26.0	11,293	12,565	3,014	9,551	24.4	31.9	18.2
Dubuque	612	93,745	153.2	66,027	70.4	27,718	90,609	66,506	24,103	3.5	-.7	15.0
Emmet	394	13,336	33.8	7,518	56.4	5,818	14,009	8,108	5,901	-4.8	-7.3	-1.4
Fayette	728	25,488	35.1	10,347	40.6	15,141	26,898	10,359	16,539	-5.2	-.1	-8.5
Floyd	503	19,597	40.0	8,778	44.8	10,819	19,860	9,268	10,592	-1.3	-5.3	2.1
Franklin	586	13,036	22.2	4,630	35.5	8,406	13,255	4,376	8,879	-1.7	5.8	-5.3
Freemont	524	9,401	17.9	—	—	9,401	9,282	—	9,282	1.3	—	1.3
Greene	569	12,119	21.3	4,854	40.1	7,265	12,716	4,735	7,981	-4.7	2.5	-9.0
Grundy	501	14,366	28.7	2,880	20.1	11,486	14,119	2,712	11,407	1.7	6.2	.7
Guthrie	596	11,983	20.1	—	—	11,983	12,243	—	12,243	-2.1	—	-2.1
Hamilton	577	17,862	31.0	8,572	48.0	9,290	18,383	8,488	9,895	-2.8	1.0	-6.1
Hancock	570	13,833	24.3	2,908	21.0	10,925	13,506	2,372	13,112	2.4	22.6	-16.7
Hardin	574	21,776	37.9	9,237	42.4	12,529	22,248	9,677	12,571	-2.2	-4.5	-.3
Harrison	696	16,348	23.5	3,107	19.0	13,241	16,240	3,519	12,721	.7	-11.7	4.1
Henry	440	18,890	42.9	7,322	38.8	11,568	18,114	7,007	11,107	4.3	4.5	4.2
Howard	471	11,114	23.6	3,860	34.7	7,254	11,442	3,927	7,515	-2.9	-1.7	-3.5
Humboldt	435	12,246	28.2	4,794	39.1	7,452	12,519	4,665	7,854	-2.2	2.8	-5.1
Ida	431	8,908	20.7	—	—	8,908	9,283	—	9,190	-4.0	—	-4.0
Iowa	584	15,429	26.4	—	—	15,429	15,419	—	15,419	.1	—	.1
Jackson	644	22,503	30.5	6,313	28.1	16,190	20,839	5,677	15,162	8.0	11.2	6.8
Jasper	737	36,425	49.4	15,292	42.0	21,133	35,425	15,619	19,806	2.8	-2.1	6.7
Jefferson	436	16,316	37.4	9,428	57.8	6,888	15,774	8,715	7,059	3.4	8.2	-2.4
Johnson	619	81,717	132.0	64,508	78.9	17,209	72,127	52,980	19,147	13.3	21.8	-10.1
Jones	585	20,401	34.9	8,599	42.1	11,802	19,868	7,898	11,970	2.7	8.9	-1.4
Keokuk	579	12,921	22.3	—	—	12,921	13,943	—	13,943	-7.3	—	-7.3
Kossuth	979	21,891	22.4	6,289	28.7	15,602	22,937	6,032	16,905	-4.6	4.3	-7.7
Lee	527	43,106	81.8	27,056	62.8	16,050	42,996	28,627	14,369	.3	-5.5	11.7
Linn	717	169,775	236.8	137,867	81.2	31,808	163,213	135,026	28,187	4.0	2.1	12.8
Louisa	403	12,055	29.9	—	—	12,055	10,682	—	10,682	12.9	—	12.9
Lucas	434	10,313	23.8	4,987	48.4	5,326	10,163	5,009	5,154	1.5	.4	3.3
Lyon	538	12,896	22.1	2,693	20.9	10,203	13,340	2,632	10,708	-3.3	2.3	-4.7
Madison	564	12,597	22.3	4,021	31.9	8,576	11,558	3,654	7,904	9.0	10.0	8.5
Mahaska	572	22,867	48.1	10,989	51.9	11,969	22,177	11,224	10,953	1.5	-5.3	8.4
Marion	498	29,669	59.6	16,492	55.6	13,177	26,352	14,423	11,929	12.6	14.3	10.5
Marshall	574	41,562	72.6	26,938	64.7	14,714	41,076	26,219	14,857	-1.4	2.7	-1.0
Mills	447	13,406	30.0	5,280	39.4	8,126	11,532	4,195	7,411	13.3	25.9	9.6
Mitchell	467	12,329	26.4	3,718	30.2	8,611	13,108	3,815	9,293	-5.9	-2.5	-7.3
Monona	699	11,692	16.7	3,283	28.1	8,409	12,069	3,154	8,915	-3.1	4.1	-5.7
Monroe	435	9,209	21.2	4,184	45.4	5,025	9,357	4,151	5,206	-1.6	.8	-3.4
Montgomery	422	13,413	31.8	6,810	50.1	6,603	12,781	6,210	6,571	4.9	9.7	.4
Muscatine	443	40,436	91.3	22,309	79.9	17,827	37,181	22,405	14,776	8.8	-.4	20.6
O'Brien	575	16,972	29.5	5,003	29.5	11,969	17,522	4,535	12,987	-3.1	10.3	-7.8
Osceola	398	8,371	21.0	3,051	36.4	5,320	8,555	2,749	5,806	-2.2	11.0	-8.4
Page	535	19,063	35.6	11,732	61.5	7,331	18,537	11,388	7,119	2.8	3.0	2.9

Population and land area (continued)

	1980 Population						1970 Population			Percent Change, 1970 to 1980		
	Land Area in Square Miles, 1980	Total		Urban		Rural						
		Number	Per Square Mile	Total	Percent of Total	Total	Total	Urban	Rural	Total	Urban	Rural
Palo Alto	561	12,721	22.7	4,621	36.3	8,100	13,289	4,150	9,139	-4.3	11.3	-11.4
Plymouth	863	24,743	28.7	8,853	35.8	15,890	24,322	8,159	16,153	1.7	1.9	-1.6
Pocahontas	581	11,369	19.6	—	—	11,369	12,793	—	12,729	-11.1	—	-11.1
Polk	578	303,170	524.5	272,680	89.9	30,490	286,130	265,764	20,337	6.0	2.6	49.9
Pottawattamie	963	86,561	89.8	59,887	69.2	26,613	86,991	64,847	22,144	-.6	-7.6	20.1
Poweshiek	589	19,306	32.7	8,868	45.9	10,438	18,803	8,402	10,401	2.7	5.5	.1
Ringgold	538	6,112	11.4	—	—	6,112	6,373	—	6,373	-4.1	—	-4.1
Sac	578	14,118	24.2	3,000	21.2	11,118	15,573	3,268	12,305	-9.3	-8.2	9.6
Scott	454	160,022	352.2	136,823	85.5	23,199	142,687	126,295	16,392	12.1	8.3	41.5
Shelby	587	15,043	25.6	5,357	35.6	9,686	15,528	5,049	10,479	-3.1	6.1	-7.6
Sioux	766	30,813	40.2	19,607	63.6	11,206	27,996	9,811	18,185	10.1	99.8	-38.4
Story	568	72,326	127.3	54,449	75.3	17,877	62,783	44,457	18,326	15.2	22.5	-2.5
Tama	720	19,533	27.1	5,413	27.7	14,120	20,147	3,000	17,147	-3.0	80.4	-17.7
Taylor	528	8,353	15.8	—	—	8,353	8,790	—	8,790	-5.0	—	-5.0
Union	425	13,858	32.6	8,429	60.8	5,429	13,557	8,234	5,323	2.2	2.4	2.0
Van Buren	487	8,626	17.7	—	—	8,626	8,643	—	8,643	-.2	—	-.2
Wapello	437	40,241	92.0	27,381	68.0	12,860	42,149	29,610	12,539	-4.5	-7.2	2.6
Warren	558	34,878	62.5	16,592	47.6	18,286	27,432	10,917	16,515	27.1	52.0	10.7
Washington	568	20,141	34.5	6,584	32.7	13,557	18,967	6,317	12,650	6.2	4.2	7.2
Wayne	532	8,199	15.4	—	—	8,199	8,405	—	8,405	-2.5	—	-2.5
Webster	718	45,953	64.0	29,423	64.0	16,530	48,391	31,263	17,128	-5.9	-5.9	-3.5
Winnebago	401	13,010	32.4	4,270	32.8	8,740	12,990	3,726	9,264	.2	14.6	-5.7
Winneshiek	688	21,876	31.8	7,991	36.5	13,885	21,758	7,458	14,300	.5	7.1	-2.9
Woodbury	871	100,884	115.8	82,003	81.3	18,881	103,052	87,157	15,895	-2.1	-5.9	18.8
Worth	400	9,075	22.7	—	—	9,075	8,984	—	8,984	1.0	—	1.0
Wright	577	16,319	28.3	9,889	60.6	6,430	17,294	7,461	9,833	-5.6	32.5	-34.6

Source: 1980 Census of Population and Housing, March, 1981. Compiled by Iowa Development Commission.

Summary of communities with population of 2,500 or more

City	Persons								Housing Units		
				Race							
	1980	1970	% Change 1970-80	White	Black	Am. Indian Eskimo & Aleut	Asian & Pacific Islander	Other	Spanish Origin	1980	1970	% Change 1970-80
Adel	2,846	2,419	17.7	2,829	2	0	6	9	22	1,208	882	37.0
Albia	4,184	4,151	.8	4,162	12	2	3	5	17	1,990	1,678	13.2
Algona	6,289	6,032	4.3	6,254	5	4	14	12	45	2,512	2,090	20.2
Altoona	5,764	2,883	99.9	5,706	9	7	16	26	37	1,964	849	131.3
Ames	45,775	39,505	15.9	43,073	771	43	1,189	699	543	14,809	11,038	34.2
Anamosa	4,958	4,389	13.0	4,832	94	16	4	12	31	1,654	1,319	25.4
Ankeny	15,429	9,151	68.6	15,234	70	18	59	48	98	5,611	2,641	112.5
Atlantic	7,789	7,306	6.6	7,715	9	6	33	26	24	3,353	2,810	19.3
Audubon	2,841	2,907	-2.3	2,823	0	0	8	10	10	1,230	1,091	12.7
Belle Plaine	2,903	2,810	3.3	2,888	1	4	1	9	14	1,303	1,153	13.0
Belmond	2,505	2,358	6.2	2,483	0	0	10	12	18	1,060	843	25.7
Bettendorf	27,381	22,126	23.8	26,724	239	48	202	168	439	9,668	6,445	50.0
Bloomfield	2,849	2,718	4.8	2,818	15	2	3	11	5	1,305	1,108	17.8
Boone	12,602	12,468	1.1	12,510	21	7	27	37	65	5,316	4,590	15.8
Burlington	29,529	32,366	-8.8	28,254	964	46	99	166	383	12,090	11,979	.9
Camanche	4,725	3,470	36.2	4,697	11	5	7	5	38	1,654	1,077	53.6
Carlisle	3,073	2,246	36.8	3,048	3	2	8	12	17	1,092	698	56.4
Carroll	9,705	8,716	11.3	9,657	1	10	29	8	58	3,545	2,683	32.1
Carter Lake	3,438	3,268	5.2	3,378	0	23	14	14	98	1,127	885	27.3
Cedar Falls	36,322	29,597	22.7	35,877	332	59	303	151	227	12,189	8,286	47.1
Cedar Rapids	110,243	110,642	-0.4	106,342	2,555	199	535	612	1,014	43,541	37,979	14.6
Centerville	6,558	6,531	0.4	6,369	99	25	34	31	51	2,945	2,668	10.4
Chariton	4,987	5,009	-0.4	4,962	2	5	11	7	11	2,345	2,089	12.3
Charles City	8,778	9,268	-5.3	8,737	3	1	14	23	52	3,576	3,437	4.0
Cherokee	7,004	7,272	-3.7	6,960	7	16	14	7	26	2,863	2,587	10.7
Clarinda	5,458	5,420	0.7	5,351	37	6	42	22	34	2,285	1,962	16.5
Clarion	3,060	2,972	3.0	3,030	0	10	5	15	33	1,345	1,164	15.5
Clear Lake	7,458	6,430	16.0	7,376	14	7	17	44	70	3,731	2,650	40.8
Clinton	32,828	34,719	-5.4	31,950	530	79	153	116	174	12,895	11,868	8.7
Clive	5,906	3,005	96.5	5,757	41	5	65	38	46	2,292	936	144.9
Coralville	7,687	6,130	25.4	7,330	167	23	107	60	83	3,672	2,199	67.0
Council Bluffs	56,449	60,348	-6.5	55,303	415	140	180	411	987	21,949	19,750	11.1
Cresco	3,860	3,927	-1.7	3,844	2	3	9	2	6	1,646	1,440	14.3
Creston	8,429	8,234	2.4	8,384	16	3	20	6	22	3,642	3,229	12.8
Davenport	103,264	98,469	4.9	94,641	6,296	255	551	1,521	2,859	40,294	33,466	20.4
Decorah	7,991	7,237	10.4	7,742	88	0	34	127	27	2,653	2,059	28.8
Denison	6,675	6,218	7.3	6,541	8	5	43	78	45	2,568	2,167	18.5
Des Moines	191,003	201,404	-5.2	172,618	13,054	556	1,596	3,179	3,523	79,913	72,639	10.0
DeWitt	4,512	3,647	23.7	4,495	1	3	6	7	22	1,789	1,290	38.7
Dubuque	62,321	62,309	*	61,689	219	52	194	167	359	22,160	18,030	22.9
Dyersville	3,825	3,437	11.3	3,814	0	0	3	8	13	1,334	1,009	32.2
Eagle Grove	4,324	4,489	-3.7	4,263	0	5	45	11	10	1,736	1,599	8.6
Eldora	3,063	3,223	-5.0	3,042	0	3	10	8	20	1,340	1,151	16.4
Eldridge	3,279	1,535	113.6	3,261	8	1	3	6	13	1,034	435	137.7
Emmetsburg	4,621	4,150	11.3	4,591	6	2	7	15	31	1,805	1,445	24.9
Estherville	7,518	8,108	-7.3	7,441	9	8	26	34	37	3,075	2,644	16.3
Evansdale	4,798	5,038	-4.8	4,730	11	27	12	18	45	1,669	1,462	14.2
Fairfield	9,428	8,715	8.2	9,248	64	14	30	72	81	3,445	3,237	6.7
Forest City	4,270	3,841	11.2	4,217	27	3	5	18	36	1,694	1,289	31.4
Fort Dodge	29,423	31,263	-5.9	28,337	769	25	108	184	368	11,636	10,693	8.8
Fort Madison	13,520	13,996	-3.4	12,532	574	35	66	313	612	5,328	4,998	6.6
Garner	2,908	2,257	28.8	2,890	4	0	2	12	21	1,063	837	27.0
Glenwood	5,280	4,421	19.4	5,246	10	2	15	7	34	1,759	1,291	36.3
Grinnell	8,868	8,402	5.5	8,670	58	16	66	58	48	3,279	2,792	17.4
Harlan	5,357	5,049	6.1	5,322	2	1	16	16	29	2,212	1,778	24.4
Hampton	4,630	4,376	5.8	4,552	6	1	4	67	99	2,016	1,764	14.3
Hawarden	2,722	2,789	-2.4	2,676	11	31	1	3	10	1,120	997	12.3
Hiawatha	4,825	2,416	99.7	4,772	24	10	13	6	39	1,989	709	180.5
Humboldt	4,794	4,665	2.8	4,780	1	4	6	3	11	2,024	1,611	25.6
Independence	6,392	5,910	8.2	6,340	2	8	27	15	30	2,463	2,074	18.8
Indianola	16,843	8,852	22.5	10,694	69	10	52	18	30	4,104	2,833	44.9
Iowa City	50,508	46,850	7.8	47,678	990	81	1,162	597	593	19,235	15,481	24.2
Iowa Falls	6,174	6,454	-4.3	6,078	45	11	22	18	18	2,444	2,259	8.2
Jefferson	4,854	4,735	2.5	4,819	2	9	20	4	6	2,024	1,824	11.0
Johnston	2,617	222	1079.0	2,599	4	0	7	7	15	1,013	54	1776.0
Keokuk	13,536	14,631	-7.5	12,930	468	15	84	39	88	5,667	5,309	6.7
Knoxville	8,143	7,755	5.0	8,030	19	10	49	35	75	3,141	2,506	25.3
Lamoni	2,705	2,540	6.5	2,622	26	7	28	22	39	850	708	20.1
LeClaire	2,899	2,520	15.0	2,871	1	3	9	15	28	1,035	765	35.3
LeMars	8,276	8,159	1.4	8,193	41	2	22	18	37	3,095	2,603	18.9
Manchester	4,942	4,641	6.5	4,920	1	1	7	13	24	2,045	1,704	20.0
Maquoketa	6,313	5,677	11.2	6,288	1	3	17	4	24	2,655	2,090	27.0
Marion	19,474	18,028	8.0	19,234	57	39	95	49	86	7,194	5,522	30.3
Marshalltown	26,938	26,219	2.7	26,260	259	55	135	229	216	10,771	9,127	18.0
Mason City	30,144	30,379	-0.8	29,439	201	31	105	368	804	12,617	10,672	18.2
Missouri Valley	3,107	3,519	-11.7	3,098	0	6	2	1	2	1,321	1,233	7.1
Monticello	3,641	3,509	3.8	3,635	0	1	3	2	8	1,492	1,169	27.6
Mount Pleasant	7,322	7,007	4.5	7,087	121	15	47	52	42	2,823	2,396	17.8
Mount Vernon	3,325	3,018	10.2	3,226	41	2	36	20	21	1,006	716	40.5
Muscatine	23,467	22,405	4.7	22,271	167	34	95	900	1,297	8,975	7,742	15.9
Nevada	5,912	4,952	19.4	5,875	6	2	13	16	26	2,402	1,792	34.0
New Hampton	3,940	3,621	8.8	3,922	0	4	4	10	6	1,588	1,216	30.6
Newton	15,292	15,619	-2.1	15,154	17	19	45	57	100	6,471	5,625	15.0
Norwalk	2,676	1,745	53.4	2,647	9	1	15	4	14	861	499	72.5
Oelwein	7,564	7,735	-2.2	7,479	8	5	14	58	144	3,069	2,817	8.9
Onawa	3,283	3,154	4.1	3,267	0	8	4	4	14	1,396	1,211	15.3
Orange City	4,588	3,572	28.4	4,527	14	6	9	32	9	1,529	1,154	32.5
Osage	3,718	3,815	-2.5	3,710	0	0	8	0	10	1,610	1,386	16.2
Osceola	3,750	3,124	20.0	3,727	4	2	12	5	13	1,806	1,376	31.3
Oskaloosa	10,629	11,224	-5.3	10,363	109	19	33	105	54	4,605	4,292	7.3
Ottumwa	27,381	29,610	-7.5	26,937	255	30	63	96	125	11,459	11,158	2.7
Pella	8,349	6,668	25.2	8,086	53	5	88	117	49	3,070	2,132	44.0
Perry	7,053	6,906	2.1	6,980	32	1	29	11	77	2,980	2,650	12.5
Pleasant Hill	3,493	1,535	127.6	3,388	31	9	48	17	49	1,182	401	194.8
Red Oak	6,810	6,210	9.7	6,760	8	4	13	25	15	3,021	2,537	19.1
Rock Rapids	2,693	2,632	2.3	2,667	1	0	3	22	7	1,182	1,018	16.1
Rock Valley	2,706	2,205	22.7	2,660	4	1	15	26	17	994	725	37.1
Sac City	3,000	3,268	-8.2	2,997	1	0	0	2	11	1,284	1,205	6.6
Sheldon	5,003	4,535	10.3	4,986	2	2	5	8	16	1,955	1,597	22.4
Shenandoah	6,274	5,968	5.1	6,225	0	8	12	29	47	2,834	2,444	16.0
Sibley	3,051	2,749	11.0	3,040	2	6	2	1	2	1,234	1,031	19.7
Sioux Center	4,588	3,450	33.0	4,528	4	13	22	21	12	1,470	957	53.6
Sioux City	82,003	85,925	-4.6	78,861	1,118	1,135	291	598	1,081	32,007	29,197	9.6
Spencer	11,726	10,078	16.4	11,616	1	25	27	57	37	4,803	3,689	30.2
Spirit Lake	3,976	3,014	31.9	3,941	0	11	3	21	15	1,717	1,196	43.6
Storm Lake	8,814	8,591	2.6	8,729	6	3	12	64	39	3,363	2,933	14.7
Story City	2,762	2,104	31.3	2,732	1	1	4	24	1	1,137	804	41.4
Tama	2,968	3,000	-1.1	2,866	1	82	7	12	14	1,194	1,083	10.2
Tipton	3,055	2,877	6.2	3,033	0	3	10	9	6	1,317	1,067	23.4
Urbandale	17,869	14,434	23.8	17,479	140	17	172	61	97	6,904	4,276	61.5
Vinton	5,040	4,845	4.0	5,017	1	11	5	6	21	2,157	1,770	21.9
Washington	6,584	6,317	4.2	6,540	5	5	28	6	37	2,772	2,441	13.6
Waterloo	75,985	75,533	0.6	66,953	8,239	180	312	331	586	29,545	25,301	16.8
Waukon	3,983	3,883	2.6	3,961	0	1	3	18	12	1,654	1,369	20.8
Waverly	8,444	7,205	17.2	8,335	32	4	47	26	27	2,985	2,267	31.7
Webster City	8,572	8,488	1.0	8,503	2	8	33	26	47	3,433	3,073	11.7
West Burlington	3,371	3,139	7.4	3,333	26	1	8	3	12	1,466	1,045	40.3
West Des Moines	21,894	16,441	33.2	21,272	243	13	136	230	465	8,927	5,061	76.4
West Liberty	2,723	2,296	18.6	2,457	2	0	11	253	503	1,042	812	28.3
West Union	2,783	2,624	6.1	2,777	1	0	5	0	18	1,118	953	17.3
Wilton	2,502	1,873	33.6	2,486	0	2	2	12	18	963	670	43.7
Windsor Heights	5,832	6,303	-7.5	5,544	26	7	37	18	35	2,267	2,040	11.1
Winterset	4,021	3,654	10.0	3,989	3	4	8	17	9	1,732	1,478	17.2

*Indicates no change in population from 1970-80.

Source: 1980 U.S. Census. Compiled by Iowa Development Commission.

Population projections for Iowa counties, 1980-2000

County	1980	1985	1990	1995	2000
STATE	2,913,808	2,905,400	2,913,500	2,931,800	2,965,000
ADAIR	9,509	9,100	8,700	8,500	8,300
ADAMS	5,731	5,500	5,300	5,200	5,200
ALLAMAKEE	15,108	14,900	14,800	14,900	15,000
APPANOOSE	15,511	14,900	14,500	14,300	14,400
AUDUBON	8,559	8,300	8,200	8,100	8,100
BENTON	23,649	23,000	22,700	22,500	22,400
BLACK HAWK	137,961	137,400	137,200	137,700	139,400
BOONE	26,184	25,900	25,800	25,600	25,500
BREMER	24,820	24,900	25,000	25,300	25,600
BUCHANAN	22,900	23,200	23,700	24,300	25,000
BUENA VISTA	20,774	21,000	21,300	21,500	21,600
BUTLER	17,668	17,400	17,200	17,000	17,000
CALHOUN	13,542	13,200	12,900	12,600	12,400
CARROLL	22,951	22,900	23,100	23,500	23,900
CASS	16,932	17,100	17,200	17,400	17,500
CEDAR	18,635	18,300	18,100	18,000	18,000
CERRO CORDO	48,458	48,100	47,900	47,700	47,400
CHEROKEE	16,238	15,800	15,600	15,400	15,300
CHACKASAW	15,437	15,000	14,900	14,900	15,000
CLARKE	8,612	9,100	9,400	9,800	10,000
CLAY	19,576	18,800	18,300	18,000	18,000
CLAYTON	21,098	20,900	20,900	21,000	21,200
CLINTON	57,122	56,800	56,800	57,000	57,400
CRAWFORD	18,935	19,500	20,100	20,700	21,200
DALLAS	29,513	29,200	28,900	28,800	28,900
DAVIS	9,104	9,400	9,800	10,100	10,400
DECATUR	9,794	9,200	8,800	8,600	8,600
DELAWARE	18,933	18,900	19,300	19,800	20,400
DES MOINES	46,203	44,900	44,000	43,500	43,300
DICKINSON	15,629	15,700	15,700	15,700	15,800
DUBUQUE	93,745	91,400	90,700	91,100	92,300
EMMET	13,336	13,300	13,300	13,300	13,400
FAYETTE	25,488	24,700	24,200	24,000	23,900
FLOYD	19,597	19,000	18,600	18,400	18,300
FRANKLIN	13,036	12,500	12,100	11,700	11,500
FREMONT	9,401	9,300	9,100	9,900	9,000
GREENE	12,119	11,800	11,600	11,400	11,400
GRUNDY	14,366	13,800	13,500	13,200	13,000
GUTHRIE	11,983	11,500	11,100	10,800	10,600
HAMILTON	17,862	17,600	17,400	17,300	17,200
HANCOCK	13,833	13,600	13,600	13,600	13,700
HARDIN	21,776	21,400	21,200	21,100	21,000
HARRISON	16,348	16,100	16,000	15,900	16,000
HENRY	18,890	18,300	18,000	17,800	17,700
HOWARD	11,114	10,900	10,800	10,900	10,900
HUMBOLDT	12,246	12,000	11,800	11,700	11,600
IDA	8,908	8,600	8,500	8,300	8,200
IOWA	15,429	15,200	15,100	15,000	15,000
JACKSON	22,503	22,300	22,300	22,500	22,900
JASPER	36,425	35,900	35,600	35,300	35,100
JEFFERSON	16,316	16,300	16,400	16,300	16,200
JOHNSON	81,717	85,300	87,900	90,500	93,700
JONES	20,401	20,200	20,200	20,200	20,400

Population projections (continued)

County	1980	1985	1990	1995	2000
KEOKUK	12,921	12,500	12,200	12,000	11,900
KOSSUTH	21,891	21,500	21,400	21,400	21,600
LEE	43,106	42,700	42,600	42,600	42,800
LINN	169,775	167,100	166,100	166,300	167,400
LOUISA	12,055	12,400	12,600	13,000	13,300
LUCAS	10,313	10,400	10,600	10,700	10,800
LYON	12,896	12,700	12,600	12,600	12,700
MADISON	12,597	12,600	12,600	12,700	12,800
MAHASKA	22,867	22,500	22,200	22,100	22,200
MARION	29,669	30,500	31,300	32,000	32,500
MARSHALL	41,652	42,500	43,300	44,000	44,600
MILLS	13,406	14,000	14,600	15,100	15,600
MITCHELL	12,329	11,800	11,600	11,400	11,300
MONONA	11,692	11,300	11,100	10,900	10,700
MONROE	9,209	9,100	9,000	8,900	8,900
MONTGOMERY	13,413	12,900	12,500	12,300	12,200
MUSCATINE	40,436	43,500	46,400	48,900	51,000
O'BRIEN	16,972	17,000	17,000	17,000	17,100
OSCEOLA	8,371	8,100	7,900	7,800	7,800
PAGE	19,063	18,900	18,700	18,500	18,500
PALO ALTO	12,721	12,300	12,200	12,100	12,100
PLYMOUTH	24,743	24,100	23,900	23,800	24,000
POCAHONTAS	11,369	11,000	10,700	10,600	10,500
POLK	303,170	309,900	316,100	321,600	326,900
POTTAWATTAMIE	86,561	88,300	90,100	91,900	93,700
POWESHIEK	19,306	18,600	18,200	17,900	17,800
RINGGOLD	6,112	6,000	5,800	5,700	5,600
SAC	14,118	13,600	13,300	13,000	12,900
SCOTT	160,022	162,900	166,600	171,000	176,000
SHELBY	15,043	14,600	14,400	14,400	14,300
SIOUX	30,813	30,700	31,000	31,600	32,500
STORY	72,326	72,900	73,300	75,200	78,500
TAMA	19,533	19,200	19,000	18,800	18,800
TAYLOR	8,353	8,300	8,200	8,200	8,300
UNION	13,858	14,000	14,100	14,200	14,400
VAN BUREN	8,626	8,500	8,400	8,400	8,500
WAPELLO	40,241	39,100	38,100	37,300	36,800
WARREN	34,878	35,400	36,100	36,900	37,800
WASHINGTON	20,141	20,100	20,200	20,400	20,600
WAYNE	8,199	8,100	7,900	7,800	7,800
WEBSTER	45,953	44,600	43,700	43,100	42,900
WINNEBAGO	13,010	12,300	11,800	11,500	11,300
WINNESHIEK	21,876	21,900	22,000	22,400	22,900
WOODBURY	100,884	101,500	102,400	103,600	105,500
WORTH	9,075	8,800	8,500	8,300	8,100
WRIGHT	16,319	15,900	15,800	15,600	15,700

Source: Iowa Office for Planning and Programming.

Population projections by age and sex

YEAR	AGE GROUP										
TOTAL	TOTAL	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
1980	2,913,808	221,628	211,041	231,700	277,633	272,024	243,200	205,954	161,246	141,451	135,520
1985	2,905,400	236,100	220,200	207,900	214,900	239,100	242,500	233,200	199,400	158,600	138,500
1990	2,913,500	229,300	234,900	217,200	196,900	193,100	219,600	234,500	225,700	194,500	154,800
1995	2,931,800	214,900	229,100	232,300	208,500	181,700	181,800	215,000	228,500	221,100	190,400
2000	2,965,000	205,300	215,600	227,300	225,800	197,500	175,300	180,100	211,000	224,800	217,100
MALE											
1980	1,416,390	113,305	107,877	118,841	140,188	135,749	123,366	103,613	79,979	69,655	65,675
1985	1,416,400	120,900	112,400	105,100	107,200	119,100	123,400	120,500	101,200	79,300	68,600
1990	1,424,000	117,300	120,100	110,000	97,400	95,100	111,100	121,400	117,200	99,100	77,600
1995	1,435,600	109,900	117,000	118,000	103,700	88,900	90,800	110,600	118,700	115,100	97,100
2000	1,455,600	104,900	110,100	115,600	113,300	97,300	86,700	91,300	108,600	116,800	112,900
FEMALE											
1980	1,497,418	108,323	103,164	112,859	137,445	136,275	119,834	102,341	81,267	71,796	69,845
1985	1,489,000	115,200	107,800	102,700	107,700	120,000	119,100	112,700	98,200	79,300	69,900
1990	1,489,500	112,000	114,800	107,300	99,500	98,000	108,500	113,100	108,400	95,300	77,200
1995	1,496,300	105,000	112,000	114,300	104,700	92,800	91,100	104,400	109,900	106,000	93,200
2000	1,509,400	100,400	105,500	111,700	112,500	100,200	88,600	88,800	102,400	108,000	104,200

TOTAL	50-54	55-59	60-64	65-69	70-74	75+	0-14	0-64	15-49	15-64	65+
1980	145,902	145,854	133,071	117,905	96,949	172,730	664,369	2,526,224	1,437,028	1,861,855	387,584
1985	131,200	136,900	133,900	121,300	102,900	188,600	664,200	2,492,400	1,426,200	1,828,200	412,800
1990	134,300	124,500	126,600	121,700	105,700	200,200	681,400	2,485,900	1,419,100	1,804,500	427,600
1995	150,600	128,300	116,000	115,400	106,700	211,500	676,300	2,498,200	1,427,000	1,821,900	433,600
2000	185,900	144,800	120,400	106,200	101,800	226,100	648,200	2,530,900	1,431,600	1,882,700	434,100
MALE											
1980	71,343	69,954	62,177	53,196	41,052	60,420	340,023	1,261,722	718,225	921,699	154,668
1985	63,600	67,100	63,500	54,700	43,900	65,900	338,400	1,251,900	719,300	913,500	164,500
1990	66,400	60,400	61,200	55,600	44,800	69,300	347,400	1,254,300	718,900	906,900	169,700
1995	75,300	63,300	55,400	53,800	45,700	72,200	344,900	1,263,800	724,900	918,900	171,700
2000	94,500	72,200	58,500	49,000	44,500	79,400	330,600	1,282,700	726,900	952,100	172,900
FEMALE											
1980	74,559	75,900	70,894	64,709	55,897	112,310	324,346	1,264,502	718,803	940,156	232,916
1985	67,600	69,900	70,400	66,700	59,000	122,800	325,700	1,240,500	706,900	914,800	248,500
1990	67,900	64,200	65,500	66,100	60,900	130,900	334,100	1,231,700	700,000	897,600	257,900
1995	75,300	65,000	60,700	61,600	60,900	139,300	331,300	1,234,400	702,100	903,100	261,800
2000	91,300	72,600	62,000	57,300	57,300	146,700	317,600	1,248,200	704,700	930,600	261,300

Source: Iowa Office for Planning and Programming.

Retail trade employment and payroll, 1983

SIC Code	Kind of Business[1]	Number of Establishments	Number of Employees	Annual Payroll ($1,000)
	Retail trade	21,468	190,422	1,558,142
52	Building materials and garden supplies	1,576	9,257	110,172
521	Lumber and other building materials	668	5,171	72,738
525	Hardware stores	551	2,717	21,472
532	General merchandise stores	628	20,767	171,543
531	Department stores	145	16,063	133,393
533	Variety stores	206	1,949	12,128
539	Misc. general merchandise stores	277	2,755	26,022
54	Food stores	2,321	30,720	290,592
541	Grocery stores	1,720	27,466	270,665
542	Meat markets and freezer provisioners	143	739	6,105
543	Fruit stores and vegetable markets	15	53	637
544	Candy, nut and confectionary stores	60	290	1,341
545	Dairy products stores	86	432	2,802
546	Retail bakeries	214	1,433	7,297
549	Miscellaneous food stores	78	307	1,710
55	Automotive dealers & service stations	3,568	23,126	290,974
551	New and used car dealers	653	9,766	163,535
552	Used car dealers only	126	310	2,997
553	Auto and home supply stores	523	2,779	38,904
554	Gasoline service stations	2,049	9,382	73,746
56	Apparel and accessory stores	2,126	12,745	84,033
561	Men's and boys clothing and furnishings stores	332	1,782	14,637
562	Women's ready to wear stores	786	5,072	28,232
565	Family clothing stores	233	2,666	19,094
566	Shoe stores	508	2,228	16,384
571	Furniture and home furnishings stores	710	3,640	41,006
572	Household appliance stores	227	957	11,109
573	Radio, television and music stores	457	1,876	20,531
58	Eating and drinking places	5,835	62,817	290,128
5812	Eating places	4,015	56,337	261,862
5813	Drinking places (alcoholic beverages)	1,655	6,104	25,471
591	Drug and proprietary stores	738	6,315	57,351
594	Miscellaneous shopping goods stores	1,468	6,891	49,130
5941	Sporting goods and bicycle shops	297	1,207	10,469
5942	Book stores	118	619	4,188
5943	Stationery stores	38	231	2,004
5944	Jewelry stores	303	1,483	15,126
5947	Gift, novelty, and souvenir shops	322	1,480	7,851
596	Nonstore retailers	361	2,592	21,422
5983	Fuel oil dealers	50	(C)	(D)
5984	Liquefied petroleum gas dealers	196	841	12,207
5992	Florists	344	1,525	9,589

[1]Only selected business classifications are shown.
(C) 100-249 employees.
(D) Figures withheld to avoid disclosure of operations of individual establishments.
Source: County Business Patterns, 1983, U.S. Department of Commerce, Bureau of the Census.

Retail sales by store group, 1984

County	Total Retail Sales ($000)	Food ($000)	Eating & Drinking Places ($000)	General Mdse. ($000)	Furniture/ Furnish./ Appliance ($000)	Automotive ($000)	Drug ($000)
Adair	42,849	12,308	4,382	1,250	598	6,750	1,106
Adams	14,278	4,668	554	409	384	2,077	470
Allamakee	71,812	20,545	4,121	4,110	1,186	21,282	622
Appanoose	65,175	19,227	4,692	7,007	1,806	11,137	1,266
Audubon	32,481	7,582	1,794	932	1,769	9,568	798
Benton	76,281	17,196	5,209	1,202	3,063	24,812	2,461
Black Hawk	718,308	137,410	62,527	103,318	32,667	167,823	24,086
Boone	100,339	24,536	8,132	6,066	5,829	25,517	3,214
Bremer	81,903	24,735	6,396	4,970	2,604	17,072	3,024
Buchanan	81,187	21,807	5,758	4,106	969	21,171	2,718
Buena Vista	128,022	27,913	9,539	11,860	4,810	33,473	2,957
Butler	40,343	11,397	2,074	2,103	1,659	9,502	770
Calhoun	44,295	12,605	2,366	1,610	2,626	11,017	1,344
Carroll	154,057	22,387	10,183	11,560	3,376	42,168	1,651
Cass	112,182	25,843	5,834	10,077	2,031	22,441	3,750
Cedar	73,865	17,449	3,830	2,788	2,284	19,340	1,189
Cerro Gordo	339,556	78,655	23,449	45,283	12,129	68,020	8,967
Cherokee	84,807	21,522	4,111	5,408	2,435	26,858	2,702
Chickasaw	47,768	11,368	3,277	2,519	1,353	14,401	1,576
Clarke	47,315	14,412	3,461	4,111	335	8,327	854
Clay	132,783	26,826	9,095	12,309	5,108	33,610	3,076
Clayton	72,510	16,720	3,991	888	2,370	22,076	2,031
Clinton	303,832	71,431	22,341	31,169	16,638	84,453	8,485
Crawford	67,308	16,915	6,517	3,218	1,799	11,934	1,740
Dallas	115,444	33,865	4,551	11,340	2,665	33,921	1,795
Davis	30,694	7,728	1,692	511	914	7,727	1,002
Decatur	35,483	12,150	2,154	1,313	841	5,266	1,900
Delaware	72,900	19,116	4,813	5,581	1,479	16,191	2,927
Des Moines	263,601	61,909	20,958	42,735	14,244	45,107	7,145
Dickinson	80,104	15,034	10,243	4,132	2,165	17,805	2,126
Dubuque	481,421	98,409	42,542	82,900	24,811	98,581	16,329
Emmet	59,000	14,999	3,425	4,450	1,613	15,404	1,479
Fayette	102,730	24,208	5,592	8,076	3,886	29,839	2,058
Floyd	88,961	24,124	6,085	9,766	2,400	18,379	2,156
Franklin	45,427	12,071	2,053	2,591	1,468	10,597	1,279
Fremont	42,211	17,603	2,316	202	1,108	4,918	1,678
Greene	54,859	11,673	3,720	2,663	853	18,778	2,246
Grundy	46,125	14,137	4,220	12,683	1,543	11,403	2,139
Guthrie	25,274	7,863	1,705	1,779	1,700	4,991	1,134
Hamilton	71,512	21,493	6,120	4,103	2,068	9,642	2,448
Hancock	32,452	9,673	2,474	560	1,942	7,176	1,555
Hardin	123,384	29,802	5,366	7,074	3,065	38,946	3,375
Harrison	77,653	12,979	5,065	1,324	2,646	34,508	3,466
Henry	88,799	21,216	4,870	7,135	2,970	26,996	3,012
Howard	40,662	12,216	1,894	1,670	1,369	7,657	2,126
Humboldt	49,284	14,967	3,901	3,201	1,740	12,633	1,752
Ida	39,489	10,731	1,792	2,291	688	9,947	1,442
Iowa	73,982	18,319	15,135	1,051	4,121	10,635	1,452
Jackson	74,771	23,500	4,857	5,585	2,888	14,475	2,410
Jasper	159,676	38,692	10,946	9,528	5,061	38,469	6,125

Retail sales (continued)

County	Total Retail Sales ($000)	Food ($000)	Eating & Drinking Places ($000)	General Mdse. ($000)	Furniture/ Furnish./ Appliance ($000)	Automotive ($000)	Drug ($000)
Jefferson	77,148	19,549	4,942	5,642	1,322	22,339	2,233
Johnson	409,802	86,955	45,050	52,375	21,276	72,925	11,327
Jones	68,114	16,957	4,009	4,838	1,597	18,769	1,836
Keokuk	34,125	4,173	1,747	271	853	11,740	948
Kossuth	97,434	19,967	6,952	8,248	4,067	29,080	1,874
Lee	191,475	54,431	14,928	23,024	9,955	38,479	6,829
Linn	953,832	205,498	81,522	172,462	42,755	186,198	29,958
Louisa	37,056	13,167	3,261	647	837	11,261	1,145
Lucas	58,020	16,136	2,642	2,164	1,852	8,645	1,732
Lyon	34,138	8,919	1,975	832	3,188	6,341	460
Madison	56,814	14,700	5,036	1,614	1,233	14,601	1,928
Mahaska	100,434	26,859	8,586	9,099	5,467	17,888	2,645
Marion	101,313	24,872	9,332	7,745	4,673	26,207	3,398
Marshall	206,382	50,616	17,029	24,695	6,871	46,701	9,315
Mills	44,499	11,713	2,999	2,162	917	14,622	1 566
Mitchell	44,962	6,864	2,573	893	1,499	9,677	1,494
Monona	55,530	10,752	3,360	1,727	1,591	21,993	3,029
Monroe	26,415	8,574	1,139	799	234	6,477	452
Montgomery	74,157	16,230	4,355	10,572	2,172	16,710	3,392
Muscatine	193,213	52,742	15,540	14,403	7,794	30,916	7,361
O'Brien	86,101	16,768	5,372	4,980	1,971	24,130	3,080
Osceola	22,862	5,564	1,521	851	580	3,734	366
Page	101,477	11,743	4,540	14,131	4,188	17,679	3,464
Palo Alto	50,350	9,187	2,569	1,290	2,072	16,291	1,417
Plymouth	109,754	29,488	7,342	7,701	1,802	27,825	2,053
Pocahontas	32,389	7,692	2,472	812	895	7,879	305
Polk	2,135,873	468,805	196,800	322,654	112,896	439,299	50,660
Pottawattamie	530,770	92,942	39,877	46,622	7,780	149,726	21,678
Poweshiek	119,203	26,210	9,106	6,266	2,539	27,765	2,698
Ringgold	21,373	5,476	1,796	1,035	528	7,572	602
Sac	50,845	8,[illegible]93	2,970	982	610	11,906	1,468
Scott	928,391	191,[illegible]62	94,379	144,539	44,529	188,266	26,074
Shelby	70,972	18,[illegible]62	5,849	8,020	805	17,438	1,882
Sioux	111,339	23,765	5,790	3,286	3,938	40,019	3,411
Story	386,557	94,277	35,707	48,521	17,760	91,519	9,563
Tama	64,624	19,792	4,628	3,893	2,645	11,691	745
Taylor	24,801	8,510	2,011	681	673	2,989	402
Union	74,585	20,067	4,679	5,880	1,239	17,148	1,330
Van Buren	18,900	4,987	1,578	408	699	2,130	346
Wapello	194,382	53,214	11,903	21,588	6,617	39,017	6,003
Warren	91,050	24,173	5,338	4,564	1,280	34,204	2,021
Washington	85,739	20,451	6,118	8,157	2,910	21,553	2,101
Wayne	28,226	7,387	1,832	656	626	4,599	1,052
Webster	259,034	47,083	22,345	42,321	10,914	61,440	5,621
Winnebago	59,516	12,972	3,792	3,850	1,170	21,764	2,047
Winneshiek	95,753	21,922	8,538	6,552	5,219	17,901	2,534
Woodbury	611,567	135,565	44,088	98,056	25,725	128,552	16,707
Worth	26,242	7,775	1,689	64	993	4,216	759
Wright	71,183	22,309	4,533	2,107	2,620	18,300	1,839
TOTAL STATE	14,637,875	3,340,249	1,169,263	1,654,520	586,452	3,332,941	422,473

Source: 1984 Survey of Buying Power, Sales & Marketing Management, July 22, 1985.

Wholesale trade, 1983

SIC Code	Kind of Business[1]	Number of Establishments	Number of Employees	Annual Payroll ($1,000)
	Wholesale trade	7,630	68,929	1,208,646
501	Motor vehicles, automotive parts and supplies	634	4,980	81,276
502	Furniture and home furnishings	63	730	13,093
503	Lumber and other construction materials	184	1,711	33,302
504	Sporting goods, toys, and hobby goods	69	632	9,681
505	Metals and minerals, except petroleum	72	693	14,883
506	Electrical goods	306	2,770	55,366
507	Hardware, plumbing, heating (equipment and supplies)	259	1,877	37,228
508	Machinery, equipment and supplies	1,745	15,859	289,122
511	Paper and paper products	132	1,447	25,790
512	Drugs and drug proprietaries and drug sundries	26	254	4,288
513	Apparel, piece goods and notions	28	324	4,329
514	Groceries and related products	394	7,744	150,791
515	Farm products raw materials	1,239	10,507	157,961
516	Chemicals and allied products	97	834	16,161
517	Petroleum and petroleum products	558	3,109	47,849
518	Beer, wines and distilled alcoholic beverages	104	1,229	25,483

[1]Only selected business classifications are shown.
Source: County Business Patterns, 1983, U.S. Department of Commerce, Bureau of the Census.

Service Industries

SIC Code	Kind of Business[1]	Number of Establishments	Number of Employees	Annual Payroll ($1,000)
	Selected service industries	19,945	203,501	2,293,610
701	Hotels, motels and tourist courts	514	9,013	54,899
703	Camps and trailering parks	42	146	1,287
7032	Sporting and recreational camps	24	131	1,066
704	Membership-basis organization hotels	105	835	3,955
72	Personal services	2,676	11,348	90,094
721	Laundry, cleaning and garment services	465	3,114	27,045
722	Photographic studios, portrait	152	645	5,751
723	Beauty shops	1,284	4,501	32,603
724	Barber shops	89	189	1,976
726	Funeral service and crematories	359	1,283	16,311
73	Business services	1,788	23,356	271,993
731	Advertising	125	1,005	17,186
732	Credit reporting and collection	83	551	5,698
7331	Direct mail advertising	25	1,385	14,738
7332	Blueprinting and photocopying	18	112	1,091
7333	Commercial photography and art	45	174	2,854
7339	Stenographic and reproduction, nec	40	231	2,643
734	Services to buildings	328	3,731	27,784
736	Personnel supply services	115	2,217	18,717
737	Computer and data processing services	142	4,561	59,669
7392	Management and public relations	253	3,246	56,153
7394	Equipment rental and leasing	155	883	14,069
75	Auto repair, services and garages	1,614	5,899	81,038
751	Automotive rental and leasing, without drivers	117	(F)	(D)
752	Automobile parking	40	140	1,041
753	Automobile repair shops	1,321	4,198	57,403
754	Automotive services, except repair	134	626	5,651
76	Miscellaneous repair services	742	2,594	34,458
762	Electrical repair shops	200	(F)	(D)
78	Motion pictures	208	1,630	8,476
781	Motion picture production and services	13	(B)	(D)
782	Motion picture distribution and services	11	87	1,572
783	Motion picture theaters	183	1,471	5,768
79	Amusement and recreation services	1,022	7,335	47,183
791	Dance halls, studios and schools	58	361	977
792	Producers, orchestras, & entertainers	51	478	1,728
7933	Bowling alleys	224	2,167	10,673
80	Health services	4,415	80,160	1,104,073
801	Offices of physicians	1,493	12,219	339,333
802	Offices of dentists	1,189	4,704	66,501
803	Office of osteopathic physicians	217	823	14,912
804	Offices of other health practitioners	736	1,931	22,064
805	Nursing and personal care facilities	423	25,850	182,280
806	Hospitals	70	31,330	435,290
8071	Medical laboratories	30	472	7,315
8072	Dental laboratories	56	477	7,261
808	Outpatient care facilities	130	1,276	16,685
81	Legal services	1,428	5,482	78,087
82	Educational services	284	16,333	158,037
83	Social services	1,285	15,271	102,288
84	Museums, botanical, zoological gardens	26	141	1,590
86	Membership organizations	2,657	16,458	119,895
891	Engineering & architectural services	292	2,625	64,763
893	Accounting, auditing and bookkeeping	640	3,316	51,089

[1]All kind of business classifications are not shown, therefore detail does not add to total.
(D) Figures withheld to avoid disclosure of operations of individual establishments.
(B) 20-99 employees.
(F) 500-999 employees.
Source: County Business Patterns, 1983, U.S. Department of Commerce, Bureau of the Census.

Per capita state government debt*

Iowans are not spendthrifts. Our per capita debt is the nation's third lowest. This means that Iowa's future is not mortgaged, and more tax revenue is spent to accomplish programs instead of paying interest.

We don't have to spend as much on welfare, police and corrections as other states, and we put a greater emphasis on education and highways.

Iowa exempts from its four percent sales and use tax, food and drugs, thus reducing the "family" impact of this tax; and we're phasing out county personal property taxes.

*Per capita gross state government debt at the end of the year.
Source: State Government Finances in 1984, U.S. Department of Commerce.

Comparison of expenditures, U.S./Iowa 1984

	Per Capita		Thousands of Dollars	
	U.S. Average	IOWA	U.S. Total	IOWA
Total General Expenditures	$1,314.81	$1,342.26	$309,683,509	$3,905,979
Education	492.74	578.27	116,057,775	1,682,778
Highways	122.85	206.53	28,936,578	600,996
Public Welfare	266.85	239.14	62,749,207	695,883
Health & Hospital	106.07	101.70	24,981,848	295,950
Police Protection	13.33	9.26	3,139,737	26,959
Corrections	32.83	25.78	7,732,000	75,013
Employment Security Administration	N/A	N/A	2,545,614	42,161
Natural Resources	N/A	N/A	5,944,606	66,903
Financial Administration	N/A	N/A	4,516,508	47,278
Interest on Debt	55.78	14.96	13,137,238	43,529

Source: State Governmental Finances in 1984, U.S. Department of Commerce, Bureau of the Census.

Relation of government finances to personal income, 1984

	General Revenue Per $1,000 Personal Income						General Expenditures Per $1,000 Personal Income			
				Taxes				Education		
	Total	Revenue from Federal Government	Total[1]	General Sales or Gross Receipts	Individual Income	Charges and Miscel-laneous	Total[1]	Total Education	Higher Education	Public Welfare	Highways
U.S. Average	121.40	27.95	72.24	22.96	21.64	19.27	113.67	42.60	15.90	23.03	10.62
Illinois	99.38	23.97	61.07	18.61	20.78	13.82	94.21	31.53	11.31	23.10	10.95
Indiana	113.58	24.75	70.44	34.31	21.17	18.03	104.53	46.09	20.12	15.60	11.80
IOWA	119.40	27.30	72.09	23.68	25.34	18.76	125.63	54.12	24.09	22.38	19.33
Kansas	97.80	21.96	60.25	17.47	19.10	14.99	92.45	41.72	17.78	15.52	12.33
Minnesota	158.48	31.74	102.84	25.34	46.92	22.31	141.46	53.40	20.69	27.43	6.59
Missouri	92.91	23.08	56.00	24.37	16.57	13.42	90.10	37.84	12.21	15.59	9.35
Nebraska	107.33	25.88	59.68	20.91	16.99	19.89	101.44	35.02	18.67	16.39	17.70
Ohio	110.93	23.85	66.25	21.59	20.63	19.66	109.42	41.00	15.81	24.82	12.83
South Dakota	130.37	41.95	52.06	26.00	0	35.34	130.99	36.51	18.95	18.51	22.25
Wisconsin	147.12	32.63	94.86	25.49	40.45	18.79	128.38	45.23	20.90	28.59	10.09

[1]Includes amounts for categories not shown separately.
Source: State Government Finances in 1984, U.S. Department of Commerce, Bureau of the Census.

Aggregate property tax amounts collectible in fiscal year 1984-1985

	Cities	Rural Areas	State
TOTAL OF ALL AGGREGATE TAX AMOUNTS	$1,024,126,380	$653,780,748	$1,677,907,128
AVERAGE TAX RATE (Aggregate Tax Divided by Taxable Value × 1,000)	30.28041	19.09550	24.65377
MONEYS AND CREDITS TAX ($5 per $1,000 Valuation)	428,102	12,639	440,741
GRAIN HANDLED TAX (25¢ per 1,000 Bushels)	381,480	66,456	447,936

Source: Report of 1983 Property Valuations and Taxes Collected in Fiscal Year 1984-1985, Iowa Department of Revenue.

Property tax valuation, 1983

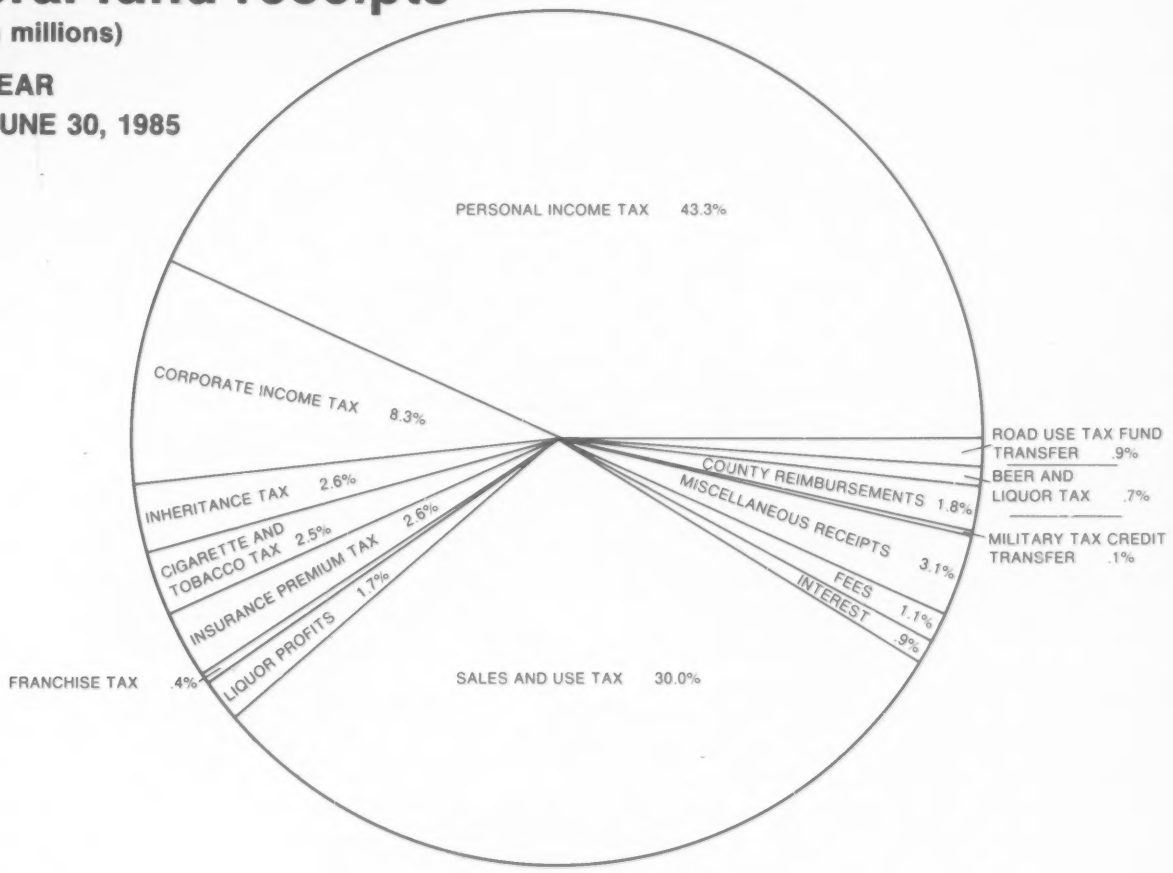
	Actual Value	Net Taxable Value
CITIES VALUES		
All locally assessed real property	$39,492,375,680	$30,303,098,150
All locally assessed personal property	1,430,844,986	1,423,605,790
All utility and railroad property values certified by Iowa Dept. of Revenue	2,135,712,723	2,094,717,677
CITIES TOTAL VALUATION	$43,058,933,389	$33,821,421,617
RURAL VALUES		
All locally assessed real property	$35,189,236,614	$29,237,041,526
All locally assessed personal property	1,351,520,201	1,326,025,277
All utility and railroad property values certified by Iowa Dept. of Revenue	3,769,809,048	3,674,355,949
RURAL TOTAL VALUATION	$40,310,565,863	$34,237,422,752
STATE TOTAL VALUATION	$83,369,499,252	$68,058,844,369

Source: Report of 1983 Property Valuations and Tax Collected in Fiscal Year 1984-1985, Iowa Department of Revenue.

General fund receipts

(dollars in millions)

FISCAL YEAR
ENDING JUNE 30, 1985



Twelve Months Actual Through June
(in millions)

	1981	1982	1983	1984	1985
SPECIAL TAXES					
Personal Income Tax	$ 769.8	$ 837.2	$ 853.6	$ 929.3	$ 977.8
Sales and Use Tax	474.6	481.6	517.2	666.1	677.3
Corporate Income Tax	148.2	170.0	168.7	159.3	187.6
Inheritance Tax	55.0	79.8	65.2	57.5	58.3
Insurance Premium Tax	45.7	71.4	49.4	52.3	58.1
Cigarette and Tobacco Tax	49.8	61.1	60.4	59.1	55.6
Beer and Liquor Tax	16.9	16.9	16.7	16.6	16.3
Franchise Tax	9.6	8.2	6.6	6.6	9.4
Miscellaneous Tax	1.3	1.4	1.2	0	.2
TOTAL SPECIAL TAXES	$1,570.9	$1,727.6	$1,739.0	$1,946.8	$2,040.6
County Treasurers	33.4	39.2	37.3	38.5	41.4
Liquor Profits	39.6	46.8	41.0	41.5	37.6
Interest	39.0	38.6	27.6	23.9	21.3
Fees	21.8	25.7	28.3	30.0	23.9
Federal Revenue Sharing	14.6	0	0.0	0	0
Military Tax Credit Transfer	2.0	6.4	4.7	3.0	3.0
Miscellaneous Receipts	19.4	16.7	22.0	53.7	70.7
Road Use Tax Fund Transfer				3.6	20.2
GROSS RECEIPTS	$1,740.7	$1,901.0	$1,899.9	$2,141.0	2,258.7
Less Refunds	112.3	146.8	167.9	175.0	194.5
Net Receipts	$1,628.4	$1,754.2	$1,732.0	$1,966.0	$2,064.2

Source: State of Iowa General Fund Financial Report, Office of the State Comptroller.

Tax revenues by type of tax

Tax Source	(Thousands) 1970	1975	1980	1982	1983	1984[P]
Sales and Gross Receipts	$379,557	$484,146	$778,242	$853,848	$889,277	$1,061,857
General sales or gross receipts—net	223,464	283,758	502.055	523,397	571,087	736,265
Selective sales and gross receipts	156,093	200,388	276,187	330,451	318,190	325,592
Motor Fuels	100,831	118,923	167,463	180,037	188,271	196,128
Refunds	-15,500	-11,618	-10,468	-10,280	-10,640	-16,722
Gross collections	116,331	130,541	177,931	190,317	198,911	212,850
Alcoholic beverages	9,048	13,300	16,403	16,399	16,728	16,561
Beer	5,796	8,516	10,146	9,990	9,950	9,941
Tax (10% prior to 1967, 15% from 1967)	3,252	4,784	6,505	6,409	6,778	6,620
Tobacco products—cigarettes	29,824	44,293	46,551	61,070	60,384	59,094
Insurance—gross premiums	15,704	23,592	43,740	71,410	49,432	52,338
Other—butterfat	686	280	252	271	269	274
LICENSE	90,040	124,243	176,985	193,276	195,156	199,253
Motor vehicles	75,106	99,767	132,742	144,928	146,728	143,227
General	74,851	99,589	132,558	144,722	146,512	142,738
Truckers	255	178	184	206	216	489
Motor vehicle operators	5,622		6,653	6,441	6,091	6,656
Corporations in general	602	1,002	1,553	19,789	17,454	24,666
Public utilities	34	34	119	115	95	68
Alcoholic beverages	2,373	4,700	4,720	4,850	5,097	5,146
Occupations and businesses, not elsewhere classified	3,305	6,350	8,865	10,574	12,763	13,216
Animal health and veterinarian fees	758	2,110	1,571	1,563	1,373	1,539
Bank examinations	1,070	1,605	2,183	2,708	2,948	2,877
Insurance examinations	526	813	1,517	2,242	2,846	1,421
Other	951	1,822	1,287	1,493	2,649	2,436
Hunting and fishing	2,593	4,676	5,571	5,469	5,002	5,046
Other	405	1,373	1,073	1,110	1,926	1,228
Boat and aircraft registration	389	1,359	1,853	1,091	1,907	
Boat registration						323
Aircraft registration						904
Tax permits	16	14	18	19	19	1
INDIVIDUAL INCOME (NET)	112,746	358,899	602,385	720,883	724,127	788,001
CORPORATION NET INCOME	24,273	63,612	138,564	147,115	138,483	132,093
DEATH AND GIFT—Inheritance and Estate	16,767	29,460	47,668	79,842	65,148	57,541
DOCUMENTARY AND STOCK TRANSFER	881	1,485	2,984	2,007	2,098	2,758

Source: State Government Tax Collection in 1984, (P = Preliminary) U.S. Department of Commerce, Bureau of the Census.

Selected tax rates, 1985

State	Sales Tax Rate[1]	Gasoline Tax Per Gallon[1]	Gasohol Tax Exemption[2]	Cigarette Tax Per Package[1]
Illinois	5.0%	13.0¢	3.0%/dollar	12.0¢
Indiana	5.0	14.0	1.0%/dollar	10.5
IOWA	4.0	15.0	1.0¢/gallon	18.0
Kansas	3.0	11.0	4.0¢/gallon	16.0
Minnesota	6.0	17.0	4.0¢/gallon	23.0
Missouri	4.225	7.0	0	13.0
Nebraska	3.5	16.4	3.0¢/gallon	18.0
Ohio	5.0	12.0	2.5¢/gallon	14.0
South Dakota	4.0	13.0	3.0¢/gallon	23.0
Wisconsin	5.0	16.5	0	25.0

Source: [1]State Tax Review, July 23, 1985, Commerce Clearinghouse, Inc.
[2]Iowa Department of Transportation, Planning and Research Division.

Property valuation and tax levies, 1984

ADAIR County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	59,810	1,366	20.8
	Ag Land	178,522	3,378	51.5
	Ag Building	15,524	294	4.4
	Commercial	23,728	592	9.0
	Industrial	2,921	73	1.1
	Personal	14,133	294	4.4
	Personal Real	135	3	0.0
	Utilities	30,427	589	8.9
	Total	323,576	6,556	100.0

ADAMS County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	30,429	699	18.4
	Ag Land	118,890	2,067	54.5
	Ag Building	13,401	233	6.1
	Commercial	7,395	183	4.8
	Industrial	1,405	26	0.6
	Personal	7,178	133	3.5
	Personal Real	3,803	66	1.7
	Utilities	22,769	400	10.5
	Total	204,265	3,788	100.0

ALLAMAKEE County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	102,461	2,415	30.1
	Ag Land	113,796	2,182	27.2
	Ag Building	32,910	632	7.8
	Commercial	26,074	655	8.1
	Industrial	5,872	132	1.6
	Personal	16,119	336	4.2
	Personal Real	3,332	72	0.9
	Utilities	89,021	1,635	20.4
	Total	387,498	8,015	100.0

APPANOOSE County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	86,088	2,719	35.6
	Ag Land	96,413	2,381	31.2
	Ag Building	4,760	117	1.5
	Commercial	23,165	803	10.5
	Industrial	8,193	263	3.4
	Personal	12,416	374	4.9
	Personal Real	10,325	378	4.9
	Utilities	23,976	670	8.7
	Total	262,639	7,623	100.0

AUDUBON County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	64,123	1,501	26.1
	Ag Land	158,814	2,884	50.2
	Ag Building	20,392	370	6.4
	Commercial	12,833	321	5.5
	Industrial	1,411	36	0.6
	Personal	12,985	254	4.4
	Personal Real	939	23	0.4
	Utilities	19,522	378	6.5
	Total	289,410	5,745	100.0

BENTON County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	173,214	4,313	31.0
	Ag Land	291,242	5,922	42.5
	Ag Building	46,380	943	6.7
	Commercial	41,604	1,122	8.0
	Industrial	4,451	128	0.9
	Personal	29,687	654	4.7
	Personal Real	5,783	166	1.1
	Utilities	34,768	755	5.4
	Total	623,104	13,905	100.0

BLACK HAWK County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	1,271,189	38,645	50.7
	Ag Land	233,403	4,888	6.4
	Ag Building	36,911	774	1.0
	Commercial	430,523	13,519	17.7
	Industrial	141,386	4,480	5.8
	Personal	100,826	3,029	3.9
	Personal Real	208,203	6,608	8.6
	Utilities	166,814	4,820	6.3
	Total	2,566,483	76,201	100.0

BOONE County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	213,923	6,663	41.1
	Ag Land	258,551	5,097	31.5
	Ag Building	18,955	379	2.3
	Commercial	53,363	1,719	10.6
	Industrial	8,443	223	1.3
	Personal	20,396	502	3.1
	Personal Real	1,919	42	0.2
	Utilities	71,234	1,700	10.5
	Total	642,062	16,180	100.0

BREMER County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	217,769	5,437	45.3
	Ag Land	160,079	3,178	26.5
	Ag Building	30,710	610	5.0
	Commercial	45,632	1,165	9.7
	Industrial	11,699	292	2.4
	Personal	21,540	482	4.0
	Personal Real	8,380	210	1.7
	Utilities	31,516	693	5.7
	Total	523,638	11,979	100.0

BUCHANAN County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	166,860	4,048	35.5
	Ag Land	245,563	4,666	40.9
	Ag Building	30,358	577	5.0
	Commercial	31,365	839	7.3
	Industrial	8,366	210	1.8
	Personal	19,182	403	3.5
	Personal Real	4,575	127	1.1
	Utilities	29,594	599	5.2
	Total	532,134	11,381	100.0

BUENA VISTA County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	173,491	3,919	31.8
	Ag Land	263,849	4,715	38.2
	Ag Building	31,128	556	4.5
	Commercial	65,516	1,555	12.6
	Industrial	8,888	208	1.6
	Personal	24,811	507	4.1
	Personal Real	10,099	245	1.9
	Utilities	35,068	694	5.6
	Total	609,191	12,320	100.0

BUTLER County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	134,971	2,920	30.4
	Ag Land	265,464	4,597	47.8
	Ag Building	25,835	447	4.6
	Commercial	29,542	663	6.9
	Industrial	3,500	68	0.7
	Personal	18,514	344	3.5
	Personal Real	1,894	35	0.3
	Utilities	30,869	584	6.0
	Total	507,687	9,599	100.0

CALHOUN County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	100,994	2,400	24.1
	Ag Land	310,798	5,554	55.7
	Ag Building	9,511	169	1.7
	Commercial	33,479	848	8.5
	Industrial	2,735	63	0.6
	Personal	18,226	361	3.6
	Personal Real	909	22	0.2
	Utilities	29,741	595	5.9
	Total	504,049	9,959	100.0

CARROLL County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	192,908	4,152	33.4
	Ag Land	251,090	4,333	34.8
	Ag Building	24,018	425	3.4
	Commercial	86,345	1,843	14.8
	Industrial	15,202	352	2.8
	Personal	23,586	459	3.6
	Personal Real	12,962	300	2.4
	Utilities	34,476	640	5.1
	Total	637,791	12,426	100.0

Property valuation and tax levies (continued)

CASS County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	125,958	3,117	31.9
Ag Land	193,239	3,749	38.4
Ag Building	24,486	475	4.8
Commercial	38,041	976	10.0
Industrial	6,023	144	1.4
Personal	18,799	404	4.1
Personal Real	5,124	117	1.2
Utilities	39,441	834	8.5
Total	448,215	9,748	100.0

CEDAR County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	160,444	3,496	30.9
Ag Land	260,537	4,907	43.4
Ag Building	37,535	705	6.2
Commercial	37,712	851	7.5
Industrial	14,384	297	2.6
Personal	19,834	396	3.5
Personal Real	7,540	153	1.3
Utilities	28,157	554	4.9
Total	563,222	11,300	100.0

CERRO GORDO County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	458,717	11,870	43.4
Ag Land	277,973	5,347	19.5
Ag Building	1,653	31	0.1
Commercial	168,564	4,476	16.3
Industrial	63,019	1,732	6.3
Personal	49,065	1,201	4.3
Personal Real	53,143	1,469	5.3
Utilities	63,492	1,442	5.2
Total	1,126,386	27,328	100.0

CHEROKEE County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	111,115	2,747	28.7
Ag Land	208,220	3,758	39.2
Ag Building	25,489	459	4.8
Commercial	49,222	1,313	13.7
Industrial	8,252	191	2.0
Personal	21,029	435	4.5
Personal Real	3,453	82	0.8
Utilities	31,822	646	6.7
Total	455,761	9,565	100.0

CHICKASAW County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	131,197	2,882	31.9
Ag Land	197,360	3,725	41.2
Ag Building	23,820	450	4.9
Commercial	30,621	679	7.5
Industrial	12,324	293	3.2
Personal	18,490	372	4.1
Personal Real	9,632	209	2.3
Utilities	23,323	463	5.1
Total	444,428	9,027	100.0

CLARKE County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	61,577	1,622	30.8
Ag Land	87,455	1,872	35.5
Ag Building	10,506	225	4.2
Commercial	18,586	506	9.6
Industrial	5,642	162	3.0
Personal	6,654	160	3.0
Personal Real	6,347	183	3.4
Utilities	25,381	571	10.8
Total	220,566	5,264	100.0

CLAY County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	167,354	3,887	30.4
Ag Land	266,269	4,439	34.7
Ag Building	14,931	248	1.9
Commercial	99,904	2,452	19.1
Industrial	11,710	255	2.0
Personal	29,929	618	4.8
Personal Real	10,161	213	1.6
Utilities	40,071	733	5.7
Total	637,185	12,775	100.0

CLAYTON County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	145,157	3,795	34.9
Ag Land	177,126	3,838	35.3
Ag Building	41,149	892	8.2
Commercial	29,154	832	7.6
Industrial	6,278	165	1.5
Personal	17,975	414	3.8
Personal Real	4,359	112	1.0
Utilities	38,547	884	8.1
Total	456,502	10,856	100.0

CLINTON County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	441,798	12,397	39.4
Ag Land	272,204	5,490	17.4
Ag Building	28,493	575	1.8
Commercial	138,131	4,102	13.0
Industrial	72,281	2,121	6.7
Personal	49,084	1,299	4.1
Personal Real	107,098	3,171	10.0
Utilities	97,082	2,545	8.0
Total	1,196,478	31,428	100.0

CRAWFORD County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	134,101	3,153	29.4
Ag Land	227,382	4,250	39.7
Ag Building	33,402	624	5.8
Commercial	48,703	1,211	11.3
Industrial	10,577	254	2.3
Personal	22,945	477	4.4
Personal Real	7,514	175	1.6
Utilities	31,021	613	5.7
Total	512,719	10,692	100.0

DALLAS County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	269,124	7,066	38.4
Ag Land	246,554	4,985	27.1
Ag Building	19,291	389	2.1
Commercial	83,781	2,337	12.7
Industrial	9,635	229	1.2
Personal	24,314	569	3.0
Personal Real	6,167	153	0.8
Utilities	131,400	2,796	15.2
Total	785,130	18,389	100.0

DAVIS County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	43,405	1,242	24.8
Ag Land	104,129	2,304	46.1
Ag Building	19,629	434	8.6
Commercial	12,581	409	8.2
Industrial	1,611	55	1.1
Personal	8,054	209	4.1
Personal Real	1,534	55	1.1
Utilities	14,417	324	6.5
Total	203,883	4,993	100.0

DECATUR County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	49,213	1,351	26.9
Ag Land	103,079	2,232	44.5
Ag Building	9,033	194	3.8
Commercial	16,220	476	9.5
Industrial	1,929	51	1.0
Personal	7,557	191	3.8
Personal Real	973	25	0.5
Utilities	21,992	510	10.1
Total	208,615	5,007	100.0

DELAWARE County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	137,411	3,187	32.5
Ag Land	177,449	3,636	37.1
Ag Building	43,728	895	9.1
Commercial	26,601	650	6.6
Industrial	7,783	191	1.9
Personal	18,162	395	4.0
Personal Real	10,772	267	2.7
Utilities	29,012	619	6.3
Total	448,164	9,780	100.0

Property valuation and tax levies (continued)

DES MOINES County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	369,623	10,680	46.4
Ag Land	134,184	2,505	10.8
Ag Building	22,609	417	1.8
Commercial	128,822	3,862	16.7
Industrial	53,658	1,588	6.9
Personal	44,880	1,241	5.3
Personal Real	46,730	1,356	5.8
Utilities	65,364	1,602	6.9
Total	857,208	23,003	100.0

DICKINSON County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	271,993	5,703	49.7
Ag Land	163,151	2,672	23.2
Ag Building	6,728	110	0.9
Commercial	77,226	1,776	15.4
Industrial	8,510	233	2.0
Personal	14,276	289	2.5
Personal Real	4,857	129	1.1
Utilities	31,330	627	5.4
Total	574,976	11,473	100.0

DUBUQUE County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	731,152	22,099	51.7
Ag Land	120,606	2,631	6.1
Ag Building	50,798	1,108	2.5
Commercial	248,491	7,932	18.5
Industrial	105,262	2,843	6.6
Personal	67,545	1,999	4.6
Personal Real	59,060	1,680	3.9
Utilities	98,167	2,840	6.6
Total	1,467,266	42,731	100.0

EMMET County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	93,938	2,518	32.0
Ag Land	177,698	3,324	42.2
Ag Building	9,066	171	2.1
Commercial	31,295	871	11.0
Industrial	6,975	164	2.0
Personal	19,201	414	5.2
Personal Real	5,270	124	1.5
Utilities	15,578	335	4.2
Total	356,636	7,862	100.0

FAYETTE County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	187,123	4,591	34.4
Ag Land	257,667	4,714	35.3
Ag Building	38,625	706	5.2
Commercial	53,810	1,398	10.4
Industrial	10,583	264	1.9
Personal	33,309	685	5.1
Personal Real	9,983	252	1.8
Utilities	40,132	834	6.2
Total	627,054	13,343	100.0

FLOYD County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	143,962	3,559	31.6
Ag Land	207,438	3,991	35.4
Ag Building	31,660	611	5.4
Commercial	39,366	1,021	9.0
Industrial	14,782	392	3.4
Personal	26,252	588	5.2
Personal Real	13,883	371	3.3
Utilities	36,145	805	7.1
Total	510,079	11,256	100.0

FRANKLIN County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	104,791	2,433	23.2
Ag Land	297,545	5,376	51.4
Ag Building	19,926	360	3.4
Commercial	18,038	454	4.3
Industrial	13,653	319	3.0
Personal	22,105	445	4.2
Personal Real	7,162	180	1.7
Utilities	47,220	916	8.7
Total	528,237	10,448	100.0

FREMONT County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	56,506	1,226	17.9
Ag Land	215,995	3,810	55.8
Ag Building	21,035	369	5.4
Commercial	17,050	377	5.5
Industrial	6,839	134	1.9
Personal	11,465	216	3.1
Personal Real	9,519	191	2.8
Utilities	28,003	523	7.6
Total	364,910	6,818	100.0

GREENE County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	88,421	1,976	22.3
Ag Land	300,013	5,071	57.4
Ag Building	8,959	151	1.7
Commercial	31,564	757	8.5
Industrial	6,580	157	1.7
Personal	18,149	342	3.8
Personal Real	604	13	0.1
Utilities	23,040	414	4.6
Total	475,129	8,835	100.0

GRUNDY County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	127,417	2,897	27.9
Ag Land	286,633	5,137	49.5
Ag Building	18,969	339	3.2
Commercial	25,963	630	6.0
Industrial	11,275	243	2.3
Personal	24,651	480	4.6
Personal Real	8,945	213	2.0
Utilities	25,877	487	4.6
Total	527,449	10,378	100.0

GUTHRIE County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	91,426	2,020	27.3
Ag Land	191,096	3,537	47.8
Ag Building	7,262	135	1.8
Commercial	26,477	692	9.3
Industrial	2,882	63	0.8
Personal	10,399	212	2.8
Personal Real	969	23	0.3
Utilities	39,879	756	10.2
Total	368,103	7,392	100.0

HAMILTON County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	154,861	3,803	28.5
Ag Land	297,665	5,485	41.1
Ag Building	25,100	461	3.4
Commercial	56,801	1,421	10.6
Industrial	14,263	353	2.6
Personal	29,040	603	4.5
Personal Real	14,977	393	2.9
Utilities	42,115	884	6.6
Total	631,701	13,330	100.0

HANCOCK County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	107,803	2,439	21.6
Ag Land	289,206	4,745	42.1
Ag Building	12,730	210	1.8
Commercial	32,439	792	7.0
Industrial	25,223	634	5.6
Personal	23,958	447	3.9
Personal Real	16,075	408	3.6
Utilities	100,634	1,623	14.4
Total	605,816	11,250	100.0

HARDIN County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	182,915	4,469	34.1
Ag Land	290,934	5,005	38.2
Ag Building	13,751	235	1.7
Commercial	54,721	1,347	10.3
Industrial	10,414	261	1.9
Personal	26,786	540	4.1
Personal Real	14,366	355	2.7
Utilities	46,958	963	7.3
Total	636,773	13,081	100.0

Property valuation and tax levies (continued)

HARRISON County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	101,556	2,396	26.0
	Ag Land	244,627	4,558	49.5
	Ag Building	21,322	397	4.3
	Commercial	23,911	662	7.2
	Industrial	7,243	82	0.9
	Personal	16,715	345	3.7
	Personal Real	1,955	53	0.5
	Utilities	36,225	739	8.0
	Total	449,779	9,191	100.0

HENRY County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	130,596	3,608	35.0
	Ag Land	146,408	3,442	33.4
	Ag Building	24,252	564	5.4
	Commercial	44,547	1,258	12.2
	Industrial	11,979	325	3.1
	Personal	18,253	462	4.4
	Personal Real	8,569	237	2.3
	Utilities	18,870	464	4.5
	Total	400,535	10,284	100.0

HOWARD County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	69,974	1,900	26.8
	Ag Land	180,127	3,543	49.9
	Ag Building	20,117	396	5.5
	Commercial	18,974	542	7.6
	Industrial	3,982	118	1.6
	Personal	13,226	298	4.2
	Personal Real	2,351	73	1.0
	Utilities	11,781	263	3.7
	Total	318,860	7,092	100.0

HUMBOLDT County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	93,865	2,205	25.4
	Ag Land	232,376	4,063	46.8
	Ag Building	9,871	173	1.9
	Commercial	32,486	794	9.1
	Industrial	5,442	136	1.5
	Personal	20,639	401	4.6
	Personal Real	3,610	82	0.9
	Utilities	45,898	873	10.0
	Total	441,929	8,677	100.0

IDA County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	56,284	1,301	22.7
	Ag Land	153,773	2,828	49.4
	Ag Building	12,843	235	4.1
	Commercial	23,449	578	10.1
	Industrial	4,296	110	1.9
	Personal	11,827	237	4.1
	Personal Real	994	25	0.4
	Utilities	21,682	441	7.7
	Total	283,413	5,720	100.0

IOWA County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	112,234	2,586	26.4
	Ag Land	188,584	3,887	39.7
	Ag Building	26,186	535	5.4
	Commercial	28,472	651	6.6
	Industrial	23,557	496	5.0
	Personal	22,675	479	4.8
	Personal Real	25,973	555	5.6
	Utilities	30,880	650	6.6
	Total	455,964	9,780	100.0

JACKSON County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	157,638	4,145	39.9
	Ag Land	146,622	3,426	32.9
	Ag Building	19,327	451	4.3
	Commercial	41,518	1,140	10.9
	Industrial	5,485	152	1.4
	Personal	13,626	344	3.3
	Personal Real	4,907	135	1.3
	Utilities	27,701	672	6.4
	Total	413,419	10,383	100.0

JASPER County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	295,788	8,281	38.4
	Ag Land	241,581	5,529	25.6
	Ag Building	31,564	722	3.3
	Commercial	80,478	2,353	10.9
	Industrial	31,650	956	4.4
	Personal	46,087	1,273	5.9
	Personal Real	39,645	1,202	5.5
	Utilities	55,372	1,382	6.4
	Total	815,947	21,526	100.0

JEFFERSON County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	119,097	2,908	35.4
	Ag Land	126,628	2,662	32.4
	Ag Building	15,700	329	4.0
	Commercial	33,795	860	10.4
	Industrial	9,384	244	2.9
	Personal	16,743	380	4.6
	Personal Real	11,811	309	3.7
	Utilities	26,034	574	6.9
	Total	356,934	8,216	100.0

JOHNSON County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	813,667	20,788	48.4
	Ag Land	203,535	4,219	9.8
	Ag Building	28,229	578	1.3
	Commercial	401,265	10,729	25.0
	Industrial	39,057	1,012	2.3
	Personal	56,257	1,418	3.3
	Personal Real	35,464	955	2.2
	Utilities	139,955	3,404	7.9
	Total	1,708,595	42,881	100.0

JONES County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	140,727	3,465	33.9
	Ag Land	182,241	3,762	36.9
	Ag Building	29,041	597	5.8
	Commercial	32,433	845	8.2
	Industrial	8,052	210	2.0
	Personal	17,832	396	3.8
	Personal Real	8,979	240	2.3
	Utilities	34,649	753	7.3
	Total	450,779	10,193	100.0

KEOKUK County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	74,178	1,731	23.1
	Ag Land	194,401	3,728	49.7
	Ag Building	29,631	567	7.5
	Commercial	17,485	431	5.7
	Industrial	7,797	164	2.2
	Personal	15,012	309	4.1
	Personal Real	2,236	46	0.6
	Utilities	28,224	571	7.6
	Total	366,725	7,493	100.0

KOSSUTH County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	175,101	3,509	23.2
	Ag Land	502,272	7,470	49.5
	Ag Building	19,932	297	1.9
	Commercial	48,521	1,072	7.1
	Industrial	37,011	759	5.0
	Personal	38,601	636	4.2
	Personal Real	6,917	155	1.0
	Utilities	80,449	1,260	8.3
	Total	905,295	15,090	100.0

LEE County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	310,100	8,545	35.3
	Ag Land	130,281	2,750	11.3
	Ag Building	17,896	376	1.5
	Commercial	104,091	2,894	11.9
	Industrial	97,504	2,841	11.7
	Personal	38,539	1,055	4.3
	Personal Real	125,718	3,877	16.0
	Utilities	76,661	2,023	8.3
	Total	893,282	24,156	100.0

Property valuation and tax levies (continued)

LINN County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	1,628,929	49,844	47.3
	Ag Land	258,340	6,047	5.7
	Ag Building	17,598	411	0.3
	Commercial	717,439	22,693	21.5
	Industrial	214,492	6,774	6.4
	Personal	134,726	4,156	3.9
	Personal Real	216,494	6,843	6.5
	Utilities	337,344	9,291	8.8
	Total	3,494,505	105,237	100.0

LOUISA County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	87,593	1,904	24.0
	Ag Land	142,395	2,831	35.8
	Ag Building	11,023	219	2.7
	Commercial	20,831	486	6.1
	Industrial	2,404	50	0.6
	Personal	10,857	224	2.8
	Personal Real	1,948	42	0.5
	Utilities	113,031	2,189	27.6
	Total	388,104	7,904	100.0

LUCAS County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	65,543	1,876	32.3
	Ag Land	86,438	1,988	34.2
	Ag Building	8,577	197	3.4
	Commercial	24,557	770	13.2
	Industrial	2,602	68	1.1
	Personal	15,731	450	7.7
	Personal Real	2,544	77	1.3
	Utilities	16,377	416	7.1
	Total	220,643	5,797	100.0

LYON County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	81,336	1,656	23.6
	Ag Land	238,596	3,977	56.8
	Ag Building	13,490	224	3.2
	Commercial	21,454	463	6.6
	Industrial	1,795	35	0.5
	Personal	15,284	267	3.8
	Personal Real	355	6	0.0
	Utilities	22,972	400	5.7
	Total	393,330	6,992	100.0

MADISON County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	98,822	2,622	31.3
	Ag Land	144,040	3,372	40.3
	Ag Building	17,807	416	4.9
	Commercial	20,314	561	6.7
	Industrial	477	12	0.1
	Personal	11,412	279	3.3
	Personal Real	420	11	0.1
	Utilities	47,595	1,134	13.5
	Total	338,747	8,353	100.0

MAHASKA County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	150,621	3,713	31.9
	Ag Land	201,016	3,890	33.4
	Ag Building	22,395	436	3.7
	Commercial	48,782	1,316	11.3
	Industrial	13,966	383	3.3
	Personal	21,279	475	4.0
	Personal Real	9,224	264	2.2
	Utilities	56,767	1,226	10.5
	Total	520,501	11,617	100.0

MARION County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	231,998	5,703	43.0
	Ag Land	133,346	3,103	23.4
	Ag Building	15,269	348	2.6
	Commercial	59,115	1,458	11.0
	Industrial	24,682	574	4.3
	Personal	21,335	493	3.7
	Personal Real	32,491	777	5.8
	Utilities	35,684	863	6.5
	Total	550,498	13,245	100.0

MARSHALL County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	343,110	10,160	40.5
	Ag Land	235,040	4,743	18.9
	Ag Building	33,136	666	2.6
	Commercial	108,786	3,357	13.3
	Industrial	36,843	1,197	4.7
	Personal	44,761	1,295	5.1
	Personal Real	37,451	1,219	4.8
	Utilities	92,326	2,662	10.6
	Total	923,937	25,081	100.0

MILLS County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	92,664	2,240	27.6
	Ag Land	175,795	3,380	41.6
	Ag Building	16,988	326	4.0
	Commercial	25,428	660	8.1
	Industrial	1,891	49	0.6
	Personal	12,444	261	3.2
	Personal Real	1,997	53	0.6
	Utilities	59,103	1,191	14.6
	Total	384,201	8,112	100.0

MITCHELL County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	77,030	1,642	23.5
	Ag Land	227,782	3,810	54.7
	Ag Building	16,576	276	3.9
	Commercial	22,204	485	6.9
	Industrial	3,620	90	1.2
	Personal	15,700	283	4.0
	Personal Real	3,170	75	1.0
	Utilities	19,508	342	4.9
	Total	383,468	6,962	100.0

MONONA County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	73,588	1,765	21.7
	Ag Land	230,298	4,399	54.2
	Ag Building	13,777	263	3.2
	Commercial	25,349	643	7.9
	Industrial	840	22	0.2
	Personal	13,053	274	3.3
	Personal Real	2,472	64	0.7
	Utilities	36,874	728	8.9
	Total	394,053	8,113	100.0

MONROE County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	53,870	1,575	31.4
	Ag Land	82,899	1,993	39.8
	Ag Building	8,392	200	4.0
	Commercial	13,796	443	8.8
	Industrial	3,768	105	2.1
	Personal	6,169	170	3.4
	Personal Real	4,223	125	2.5
	Utilities	16,742	428	8.5
	Total	188,528	5,004	100.0

MONTGOMERY County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	92,294	2,556	30.4
	Ag Land	173,116	3,336	39.7
	Ag Building	13,577	261	3.1
	Commercial	24,868	713	8.4
	Industrial	9,813	259	3.0
	Personal	14,239	322	3.8
	Personal Real	10,005	236	2.8
	Utilities	35,593	782	9.3
	Total	370,989	8,401	100.0

MUSCATINE County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	394,865	10,281	41.1
	Ag Land	170,390	3,419	13.6
	Ag Building	11,656	235	0.9
	Commercial	108,203	2,952	11.8
	Industrial	101,745	2,552	10.2
	Personal	35,688	868	3.4
	Personal Real	140,679	3,395	13.5
	Utilities	64,850	1,431	5.7
	Total	1,021,620	24,975	100.0

O'BRIEN County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	125,879	2,754	29.5
Ag Land	279,370	4,254	45.6
Ag Building	16,051	244	2.6
Commercial	47,039	1,068	11.4
Industrial	5,673	139	1.4
Personal	18,985	336	3.6
Personal Real	3,246	79	0.8
Utilities	29,588	507	5.4
Total	522,759	9,319	100.0

OSCEOLA County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	52,478	1,194	20.3
Ag Land	189,076	3,341	56.9
Ag Building	11,224	198	3.3
Commercial	15,987	381	6.5
Industrial	3,299	81	1.3
Personal	12,935	252	4.3
Personal Real	7,580	182	3.1
Utilities	14,095	265	4.5
Total	305,142	5,863	100.0

PAGE County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	113,069	3,089	31.3
Ag Land	201,484	3,731	37.8
Ag Building	15,024	278	2.8
Commercial	43,015	1,278	12.9
Industrial	5,943	179	1.8
Personal	16,662	384	3.9
Personal Real	8,676	267	2.7
Utilities	32,463	723	7.3
Total	433,118	9,846	100.0

PALO ALTO County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	84,132	1,862	23.2
Ag Land	278,909	4,496	56.2
Ag Building	15,270	246	3.0
Commercial	32,594	769	9.6
Industrial	1,293	27	0.3
Personal	13,822	241	3.0
Personal Real	1,869	43	0.5
Utilities	19,601	356	4.4
Total	445,248	7,995	100.0

PLYMOUTH County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	190,412	4,207	33.4
Ag Land	283,772	4,601	36.5
Ag Building	49,922	804	6.3
Commercial	50,936	1,232	9.7
Industrial	7,478	173	1.3
Personal	26,852	491	3.9
Personal Real	2,702	63	0.5
Utilities	61,651	1,097	8.7
Total	669,836	12,586	100.0

POCAHONTAS County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	76,020	1,505	18.5
Ag Land	308,079	4,633	57.1
Ag Building	17,800	267	3.3
Commercial	33,666	728	8.9
Industrial	3,360	61	0.7
Personal	23,386	388	4.7
Personal Real	3,367	61	0.7
Utilities	31,149	502	6.2
Total	494,703	8,106	100.0

POLK County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	3,072,224	103,604	52.1
Ag Land	191,165	5,120	2.5
Ag Building	8,133	217	0.1
Commercial	1,656,862	55,791	28.0
Industrial	304,381	10,078	5.0
Personal	247,672	8,662	4.3
Personal Real	100,536	3,453	1.7
Utilities	406,313	13,044	6.5
Total	5,934,075	198,585	100.0

POTTAWATTAMIE County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	595,504	19,369	44.8
Ag Land	341,893	6,726	15.5
Ag Building	47,338	933	2.1
Commercial	183,279	6,567	15.1

POTTAWATTAMIE County continued

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Industrial	27,803	959	2.2
Personal	43,154	1,254	2.9
Personal Real	26,623	883	2.0
Utilities	232,917	6,946	16.0
Total	1,483,964	43,222	100.0

POWESHIEK County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	155,882	3,950	34.7
Ag Land	181,419	3,638	31.9
Ag Building	39,084	781	6.8
Commercial	46,604	1,233	10.8
Industrial	12,826	351	3.0
Personal	22,853	513	4.5
Personal Real	8,833	222	1.9
Utilities	36,375	770	6.7
Total	500,800	11,384	100.0

RINGGOLD County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	36,721	876	22.1
Ag Land	122,998	2,122	53.5
Ag Building	15,875	273	6.9
Commercial	8,623	246	6.2
Industrial	1,201	34	0.8
Personal	6,385	125	3.1
Personal Real	50	1	0.0
Utilities	15,801	305	7.7
Total	206,545	3,960	100.0

SAC County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	105,990	2,411	25.3
Ag Land	265,736	4,899	51.4
Ag Building	28,000	515	5.4
Commercial	27,735	658	6.9
Industrial	5,504	130	1.3
Personal	20,804	415	4.3
Personal Real	1,847	41	0.4
Utilities	26,095	518	5.4
Total	479,195	9,531	100.0

SCOTT County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	1,578,119	49,633	49.9
Ag Land	172,437	3,792	3.8
Ag Building	29,571	646	0.6
Commercial	633,100	20,453	20.5
Industrial	198,423	5,970	6.0
Personal	132,373	3,869	3.8
Personal Real	239,458	6,780	6.8
Utilities	285,977	8,756	8.8
Total	3,246,263	99,328	100.0

SHELBY County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	102,248	2,497	27.8
Ag Land	205,027	4,009	44.6
Ag Building	34,322	672	7.4
Commercial	31,513	821	9.1
Industrial	2,680	62	0.6
Personal	18,421	391	4.3
Personal Real	2,057	50	0.5
Utilities	25,320	529	5.8
Total	419,211	8,978	100.0

SIOUX County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	231,196	5,227	35.7
Ag Land	278,201	4,734	32.3
Ag Building	52,332	892	6.1
Commercial	73,551	1,695	11.6
Industrial	14,437	313	2.1
Personal	31,521	614	4.2
Personal Real	11,389	237	1.6
Utilities	54,820	988	6.7
Total	743,164	14,612	100.0

STORY County

Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
Residential	602,679	15,033	48.5
Ag Land	290,309	5,456	17.6
Ag Building	7,188	135	0.4
Commercial	271,069	6,958	22.4
Industrial	30,349	764	2.4
Personal	43,347	986	3.1
Personal Real	28,255	729	2.3
Utilities	52,761	1,333	3.6
Total	1,317,782	30,994	100.0

TAMA County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	136,708	3,054	26.4
	Ag Land	327,928	5,661	49.0
	Ag Building	24,971	433	3.7
	Commercial	39,265	957	8.2
	Industrial	16,644	366	3.1
	Personal	21,922	411	3.5
	Personal Real	5,672	122	1.0
	Utilities	31,344	605	5.2
	Total	601,054	11,537	100.0

TAYLOR County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	38,542	1,049	20.3
	Ag Land	161,231	3,182	61.6
	Ag Building	8,592	169	3.2
	Commercial	6,893	213	4.1
	Industrial	990	31	0.6
	Personal	8,529	184	3.5
	Personal Real	427	13	0.2
	Utilities	16,964	358	6.9
	Total	240,526	5,158	100.0

UNION County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	91,451	2,770	34.7
	Ag Land	104,318	2,273	28.5
	Ag Building	8,239	179	2.2
	Commercial	41,126	1,329	16.6
	Industrial	10,067	248	3.1
	Personal	10,718	291	3.6
	Personal Real	1,992	63	0.7
	Utilities	37,337	886	11.1
	Total	303,141	7,978	100.0

VAN BUREN County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	40,120	1,027	23.1
	Ag Land	97,240	2,284	51.4
	Ag Building	15,308	360	8.1
	Commercial	6,452	176	3.9
	Industrial	2,875	79	1.7
	Personal	6,858	167	3.7
	Personal Real	2,645	69	1.5
	Utilities	12,881	313	7.0
	Total	182,877	4,440	100.0

WAPELLO County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	251,024	9,263	45.4
	Ag Land	104,129	2,716	13.3
	Ag Building	9,137	236	1.1
	Commercial	76,390	2,968	14.5
	Industrial	24,872	945	4.6
	Personal	28,274	1,028	5.0
	Personal Real	14,680	564	2.7
	Utilities	107,245	2,935	14.4
	Total	607,817	20,365	100.0

WARREN County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	322,018	9,011	53.8
	Ag Land	141,773	3,453	20.6
	Ag Building	16,888	408	2.4
	Commercial	62,402	1,792	10.7
	Industrial	1,980	54	0.3
	Personal	17,282	448	2.6
	Personal Real	2,255	62	0.3
	Utilities	64,399	1,657	9.9
	Total	623,317	16,731	100.0

WASHINGTON County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	160,634	3,649	31.8
	Ag Land	220,710	4,199	36.6
	Ag Building	31,025	591	5.1
	Commercial	48,764	1,135	9.9
	Industrial	15,782	383	3.3
	Personal	23,597	490	4.2
	Personal Real	14,133	347	3.0
	Utilities	35,843	722	6.3
	Total	547,443	11,450	100.0

WAYNE County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	42,895	1,001	21.7
	Ag Land	117,785	2,311	50.2
	Ag Building	12,700	248	5.4
	Commercial	13,492	328	7.1
	Industrial	2,222	54	1.1
	Personal	8,002	168	3.6
	Personal Real	1,857	46	1.0
	Utilities	23,138	471	10.2
	Total	220,599	4,595	100.0

WEBSTER County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	335,431	9,712	36.6
	Ag Land	354,783	6,887	26.0
	Ag Building	11,218	217	0.8
	Commercial	144,738	4,317	16.3
	Industrial	37,487	968	3.6
	Personal	43,971	1,178	4.4
	Personal Real	16,905	470	1.7
	Utilities	119,299	2,897	10.9
	Total	1,055,796	26,479	100.0

WINNEBAGO County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	97,575	2,155	30.5
	Ag Land	208,078	3,106	44.0
	Ag Building	9,954	147	2.0
	Commercial	29,358	712	10.1
	Industrial	6,914	160	2.2
	Personal	18,904	344	4.8
	Personal Real	5,154	112	1.5
	Utilities	22,414	354	5.0
	Total	396,337	7,050	100.0

WINNESHIEK County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	148,224	3,892	35.8
	Ag Land	148,159	3,272	30.1
	Ag Building	57,219	1,265	11.6
	Commercial	36,391	1,022	9.4
	Industrial	4,810	132	1.2
	Personal	22,946	546	5.0
	Personal Real	3,205	92	0.8
	Utilities	30,067	717	6.6
	Total	448,109	10,867	100.0

WOODBURY County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	764,715	26,905	46.4
	Ag Land	272,045	5,253	9.0
	Ag Building	18,417	359	0.6
	Commercial	306,443	11,182	19.2
	Industrial	61,045	1,840	3.1
	Personal	71,766	2,340	4.0
	Personal Real	76,981	2,217	3.8
	Utilities	360,579	8,316	14.3
	Total	1,914,161	57,966	100.0

WORTH County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	64,897	1,455	23.0
	Ag Land	205,125	3,567	56.4
	Ag Building	7,888	137	2.1
	Commercial	15,570	378	5.9
	Industrial	905	20	0.3
	Personal	11,068	200	3.1
	Personal Real	1,059	26	0.4
	Utilities	30,595	565	8.9
	Total	335,653	6,319	100.0

WRIGHT County	Class of Property	Valuation ($000)	Tax Levied ($000)	% of Total Tax Levied
	Residential	135,154	3,139	25.9
	Ag Land	321,422	5,170	42.7
	Ag Building	9,526	153	1.2
	Commercial	50,825	1,264	10.4
	Industrial	18,524	457	3.7
	Personal	28,273	548	4.5
	Personal Real	28,747	740	6.1
	Utilities	37,882	700	5.7
	Total	627,567	12,108	100.0

Source: Office of State Comptroller.

Transportation

Distance from central Iowa to urban markets

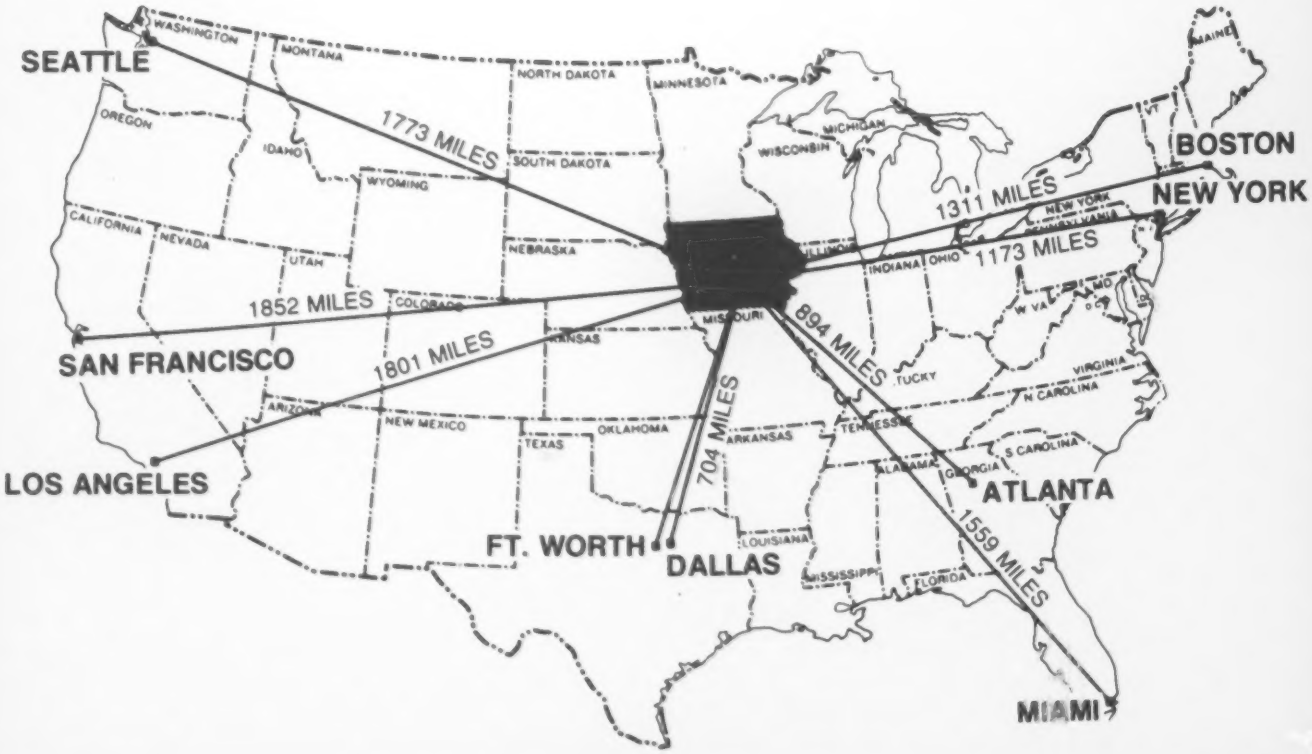
Iowa is an ideal distribution point.

Only a day away are Chicago, Twin Cities, St. Louis, Kansas City, Milwaukee, Omaha, and Wichita—plus the many wealthy markets in between.

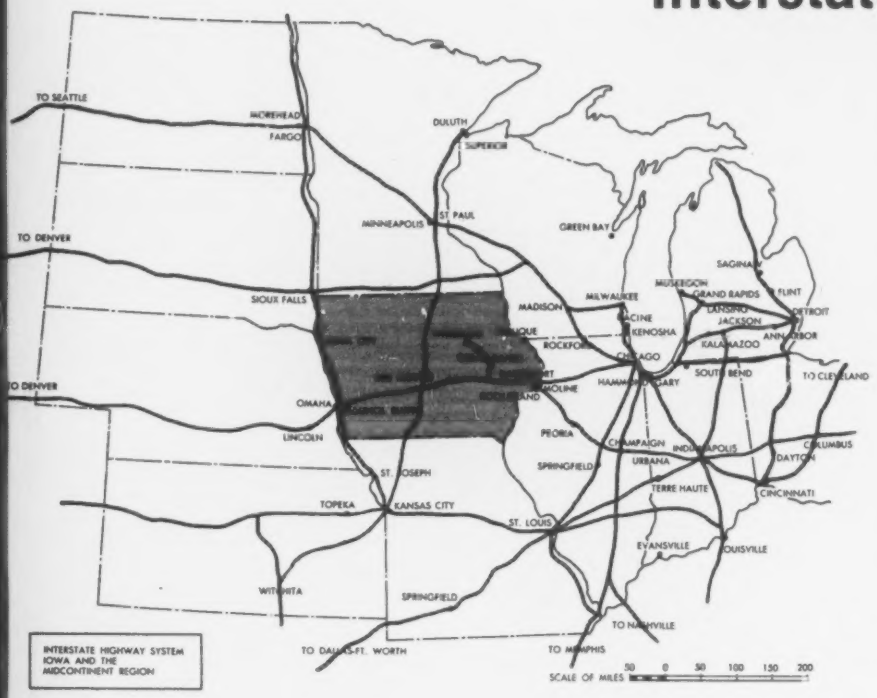
A rig can reach the farthest point in America in only three days; a train in four.

The nation's two transcontinental interstate highways intersect in Iowa. The state is served by all major truck lines and "double bottoms" are legal. You can reach the sea by both water and road.

Add Iowa's transportation advantages to our "Open Port Warehousing" and you have the perfect combination for moving products.



Interstate highway system



Iowa is ahead of 40 other states in miles of roads, though we're only twenty-fifth in area. You can drive to Boston from Iowa's western border without hitting a stop sign.

Aside from interstate highways, Iowa's expensive internal road system is based on a "farm-to-market" philosophy that reflects the urgency of moving our vast agricultural production.

Those same roads and highways, constantly improved, now also serve the industries that have been established in all parts of Iowa.

Iowa transportation summary

Railroads	
Class 1 miles of road operated 1984	4,247
Motor Vehicle Registration	2,914,144
Auto—1984	1,741,854
Trucks—1984	630,596
Motorcycles—1984	250,441
Truck tractors—1984	14,578
Airports—Public	154
All weather runways	95
Lighted runways	134

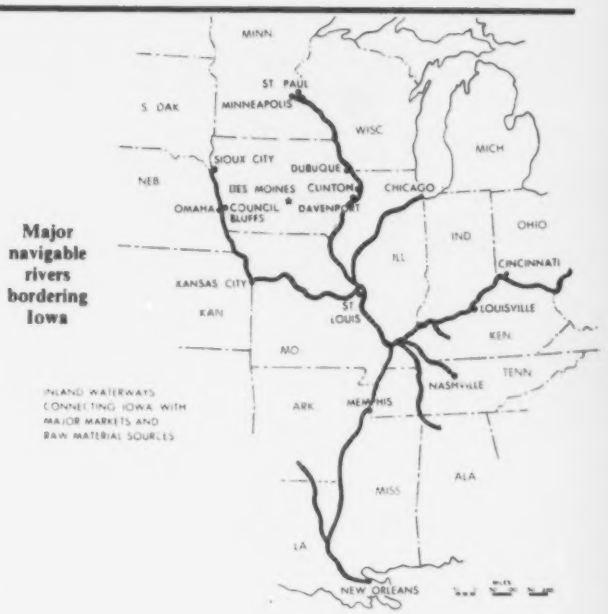
Iowa Highway and Road Mileage—Jan. 1, 1985	
Portland concrete	13,206.73
Asphalt paved	21,147.19
Bituminous treated	2,371.61
Gravel or stone	70,411.75
Not surfaced	5,459.51
Total	112,596.79
Municipal	13,872.51
Rural	98,406.49
State parks and inst. roads	317.79

Source: Iowa Department of Transportation.

River, rail and air transportation

Iowa is the *only* state bordered by two navigable rivers. Goods can go by water as far east as Pennsylvania, west to Oklahoma, and to seaports on the gulf and great lakes.

Nearly 43 million tons of cargo moved on the Mississippi past Davenport in 1984. It included more than 28 million tons of grain, 6.1 million tons of coal, and more than 1.7 million tons of petroleum.

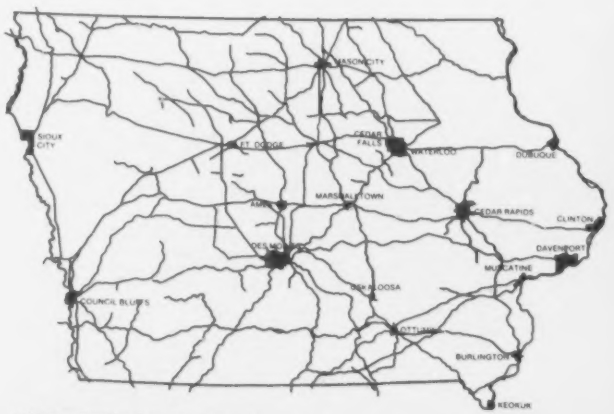


Major navigable rivers bordering Iowa

Eight Class I railroads currently operate 4,144 route miles in Iowa. Four carriers—the Chicago and North Western; Burlington Northern; Milwaukee Road; and Illinois Central Gulf—account for nearly 97 percent of this mileage. Four other carriers—the Norfolk and Western; Atchison, Topeka and Santa Fe; Union Pacific; and Missouri-Kansas-Texas Railroad—operate the remaining 3 percent of the mileage.

In addition, 15 other Class III railroads operate approximately 872 miles of road in Iowa.

Railroads serving Iowa offer "piggyback" service to 11 Iowa cities and 17 terminal sites. Shipments can reach about one-fourth of the nation in a day, the farthest point in only four days.



Major Railroads Serving Iowa

Iowa has more than 350 airports, of which 154 are open to use by the general public. Of these, 95 have all-weather runways, and 134 are lighted.

The state is served by seven major airlines, American, America West, Frontier, Ozark, Republic, TWA, and United. All 11 commercial service airports are also served by commuter airlines.

Airports in Iowa

Revenue freight originating on Class I railroads (tons)

Code No	Commodity	1970	1975	1980	1982	1983	1984
01	Farm Products	10,950,353	10,571,249	17,850,717	11,550,424	14,494,250	13,632,091
08	Forest Products			–	–	–	49
09	Fresh Fish	592	216	–	–	–	–
10	Metallic Ores	1,597	308	170	178	–	–
11	Coal	548,202	243,922	13,220	523	70	1,204
13	Crude Petroleum	2,013		–	–	–	–
14	Nonmetallic Minerals	2,084,640	1,876,412	422,804	158,365	160,423	259,198
19	Ordnance and Accessories	115,309	51,292	4,972	6,120	8,988	10,457
20	Food and Kindred Products	7,737,795	7,138,873	6,752,803	6,496,620	6,891,646	6,922,945
21	Tobacco Products	54	18	–	32	–	–
22	Basic Textiles	1,018	722	296	671	225	738
23	Apparel and Finished Textile	444	54	39	26	–	–
24	Lumber and Wood Products	165,503	94,892	48,730	23,499	12,866	18,405
25	Furniture and Fixtures	31,973	27,299	15,103	9,515	7,651	15,100
26	Pulp, Paper and Allied Products	114,831	100,392	87,539	68,801	52,451	53,106
27	Printed Matter	40,719	27,387	12,530	5,731	1,302	787
28	Chemical and Allied Products	1,929,577	1,644,805	1,777,066	1,296,004	1,470,435	1,589,439
29	Petroleum and Coal Products	227,352	85,736	61,292	56,982	51,360	65,111
30	Rubber and Miscellaneous Plastic	110,663	93,208	36,041	32,475	16,011	15,906
31	Leather and Leather Products	2,161	94	847	2,662	541	–
32	Stone, Clay, Glass Products	2,062,995	1,187,516	1,029,447	579,765	608,552	667,070
33	Primary Metal Products	229,061	166,447	166,519	160,965	187,544	198,318
34	Fabricated Metal Products	80,117	54,569	79,743	5,702	8,265	5,180
35	Machinery Except Electrical	173,756	165,762	155,374	89,009	37,228	48,295
36	Electrical Machinery	166,603	154,534	39,762	22,367	10,923	3,624
37	Transportation Machinery	28,674	27,392	82,997	68,914	80,394	87,812
38	Instruments, Optical Products	301	–	–	75	109	107
39	Miscellaneous Manufacturing Products	1,938	2,455	1,551	359	29	97
40	Wasted Scrap Materials	504,531	579,930	627,277	411,238	546,843	585,720
41	Miscellaneous Freight Shipments	9,312	5,826	8,766	36,024	23,460	14,444
42	Container, Returned Empty	32,756	17,323	9,405	12,326	18,989	16,097
44	Freight Forwarder Traffic	3,078	406	11,302	–	50	1,319
45	Shipper Associate or Similar Traffic	1,438	11,306	6,054	22,831	20,100	12,138
46	Miscellaneous Mixed Shipments	41,406	87,611	144,252	129,389	150,390	202,175
	Grand Total Carload	27,400,765	24,417,956	29,446,618	21,247,628	24,858,095	24,426,942
47	Small Packaged Freight Shipments	8,866	1,660	1,851	963	3,708	999
	Carload and LCL Traffic	27,409,631	24,419,616	29,448,469	21,248,591	24,861,803	24,427,941

Source: Iowa Department of Transportation, Advance Planning Division.

Revenue freight terminating on Class I railroads (tons)

Code No	Commodity	1970	1975	1980	1982	1983	1984
01	Farm Products	5,849,797	5,318,918	3,160,190	3,936,918	6,294,765	6,040,261
08	Forest Products	18,405	19,592	16,777	16,282	21,381	30,536
09	Fresh Fish	14,594	9,126	5,421	3,196	1,882	1,095
10	Metallic Ores	49,587	8,016	42,672	20,091	12,106	18,843
11	Coal	3,402,527	4,071,743	9,617,358	19,320,657	9,603,690	11,296,109
13	Crude Petroleum	2,224	224	30	45	–	67
14	Nonmetallic Minerals	2,459,163	2,352,562	743,136	278,314	286,469	522,073
19	Ordnance and Accessories	78,220	37,285	1,617	1,252	1,897	2,516
20	Food and Kindred Products	2,455,156	1,765,620	1,200,952	916,244	962,306	905,750
21	Tobacco Products	4,209	6,907	2,901	1,964	873	619
22	Basic Textiles	16,886	18,893	5,299	755	759	399
23	Apparel and Finished Textile	905	476	149	17	131	20
24	Lumber and Wood Products	627,922	545,636	299,121	177,436	185,072	168,148
25	Furniture and Fixtures	24,031	20,097	7,703	1,702	1,712	1,520
26	Pulp, Paper and Allied Products	756,008	685,197	716,355	620,886	645,417	683,899
27	Printed Matter	6,019	9,493	504	34	105	48
28	Chemical and Allied Products	3,209,320	3,362,749	3,314,087	2,596,669	2,625,956	2,758,617
29	Petroleum and Coal Products	462,522	440,687	187,675	145,195	189,665	158,031
30	Rubber and Miscellaneous	68,369	47,288	20,736	11,033	8,619	4,199
31	Leather and Leather Products	2,528	196	–	–	28	–
32	Stone, Clay, Glass Products	840,991	633,174	263,722	245,572	211,827	297,807
33	Primary Metal Products	700,010	484,711	549,684	362,578	443,449	516,117
34	Fabricated Metal Products	161,217	117,788	30,755	5,575	3,491	8,567
35	Machinery Except Electrical	67,346	57,804	17,949	8,568	5,694	4,522
36	Electrical Machinery	49,500	27,671	12,483	5,138	807	2,187
37	Transportation Machinery	186,929	252,591	162,410	111,687	107,698	123,783
38	Instruments, Optical Products	867	509	20	–	–	–
39	Miscellaneous Manufacturing Products	2,474	1,382	5,415	802	72	46
40	Wasted Scrap Materials	367,445	313,510	482,351	391,165	414,727	392,011
41	Miscellaneous Freight Shipments	7,530	4,102	3,687	26,860	21,760	13,359
42	Container, Returned Empty	6,087	8,019	8,839	9,129	7,159	5,025
44	Freight Forwarder Traffic	12,325	2,628	1,159	1,409	3,763	4,450
45	Shipper Associate or Similar Traffic	4,588	13,653	14,919	15,025	24,102	23,876
46	Miscellaneous Mixed Shipments	103,996	135,415	73,988	48,140	58,116	78,773
	Grand Total Carload	22,140,697	20,753,662	20,978,064	19,280,630	22,145,002	24,063,433
47	Small Packaged Freight Shipments	6,231	5,232	1,099	1,103	2,588	1,165
	Carload and LCL Traffic	22,146,928	20,758,894	20,979,163	19,281,733	22,147,590	24,064,598

Source: Iowa Department of Transportation, Advance Planning Division.

Iowa's transportation industry, 1983

SIC Code	Industry Description	Number of Establishments	Number of Employees	Annual Payroll ($000)
41	Local and interurban passenger transit	109	1,429	11,139
411	Local and suburban transportation	46	660	4,196
412	Taxicabs	30	270	1,772
413	Intercity highway transportation	9	161	3,031
415	School buses	13	228	1,262
42	Trucking and warehousing	2,072	16,654	306,098
421	Trucking, local and long distance	1,916	15,518	287,293
422	Public warehousing	140	1,010	16,416
423	Trucking terminal facilities	11	118	2,304
45	Transportation by air	81	821	15,999
451	Air transportation	48	664	13,880
458	Air transportation services	25	122	1,729
47	Transportation services	182	1,163	15,402
472	Arrangement of transportation	156	769	8,806

Source: County Business Patterns, 1983, Bureau of the Census, U.S. Department of Commerce.

Truck transportation

Commodity Groups	Intercity Truck Tonnage (Thousands)	Truck Percent of Total	Value of Shipments (Million Dollars)*	Truck Percent of Total
Food & Kindred Products	13,459	61.6	$ 7,427	75.5
Lumber & Wood Products	262	66.8	213	82.9
Furniture & Fixtures	89	89.9	236	89.7
Pulp & Paper	380	99.2	375	96.4
Printed Matter	678	93.8	564	79.1
Rubber & Plastic Products	270	75.0	595	71.7
Stone, Clay, Glass & Concrete Products	14,871	93.6	491	87.7
Primary Metal Products	401	84.8	662	87.1
Fabricated Metal Products	391	86.7	825	80.3
Non-electrical Machinery	1,194	74.1	3,609	75.6
Electrical Machinery	231	68.8	875	60.3
Miscellaneous Commodities	662	62.5	1,873	73.7
TOTAL	32,888	75.4	$17,745	75.8

*Value of shipments is defined as the "net selling value, f.o.b. plant, after discounts and allowances, and exclusive of freight charges and excise taxes."
'Includes air, water, parcel delivery, and others.
Source: 1977 Census of Transportation, Commodity Transportation Survey, U.S. Department of Commerce.

Public transit

Iowa has 34 tax supported public transit systems; 18 urban and 16 regional (rural). During fiscal year 1985, these public transit systems provided approximately 17,607,125 miles of service, transporting 23,857,124 passengers.

	Urban Areas			Regional Area			Total		
	1983	1984	1985	1983	1984	1985	1983	1984	1985
Miles of Service (000)	10,051	10,307	9,757	5,066	7,062	7,850	15,117	17,368	17,607
Passengers (000)	18,883	18,603	21,250	2,024	2,320	2,607	20,907	20,923	23,857

Source: Public Transit Division, Iowa Department of Transportation.

Unofficial navigation tonnage

	1970 (tons)	1975 (tons)	1980 (tons)	1981 (tons)	1982[1] (tons)	1983 (tons)	1984 (tons)
Missouri River:							
Traffic—Sioux City to Omaha							
Farm Products	93,112	34,146	59,316	34,883[1]	19,663	50,626	27,280
Food & Kindred Products	113,243	119,090	48,594	134,567[1]	219,663	242,574	210,671
Chemicals	118,198	138,149	85,679	101,020	99,348	117,496	132,428
Other	48,765	64,029	56,704	52,376	65,158	116,100	119,749
Total	373,318	355,414	350,293	322,846	403,832	526,796	490,527
Mississippi River:							
Traffic—Rock Island District							
Grain	9,022,300	12,054,324	22,774,160	25,724,670	21,559,655	30,985,899	28,439,744
Coal	6,401,355	4,932,500	4,176,600	3,948,684	5,624,925	5,939,964	6,140,144
Petroleum	2,708,721	2,100,053	2,586,760	2,651,087	1,820,068	1,567,849	1,698,215
Other	4,278,094	5,418,246	4,817,869	4,498,496	5,566,616	6,264,008	6,526,972
Total	22,410,470	24,505,123	34,355,389	36,822,937	34,571,264	44,757,720	42,805,075

[1]Grain is reported in food and kindred products, and the 1981, 1982 and 1983 farm products reflects other agricultural products such as alfalfa pellets.
Source: Iowa Department of Transportation.

Road construction

Fiscal Year	Primary Roads	Interstate Roads	State Parks and Institutional Roads	Farm to Market Roads	Total
7-1-75 to 6-30-76	$ 74,349,436	$24,923,643	$ 655,277	$31,019,921	$130,948,279
7-1-76 to 6-30-77	99,076,327	43,357,379	679,271	33,989,926	177,102,904
7-1-77 to 6-30-78	121,110,115	15,007,379	805,732	45,051,623	181,974,849
7-1-78 to 6-30-79	105,277,146	54,518,440	1,437,092	47,287,367	208,520,045
7-1-79 to 6-30-80	75,539,584	20,875,799	1,873,688	49,772,220	148,061,291
7-1-80 to 6-30-81	74,174,384	33,638,590	2,011,011	64,563,285	174,387,270
7-1-81 to 6-30-82	73,162,427	51,858,856	968,299	48,909,611	190,646,008
7-1-82 to 6-30-83	118,742,693	68,773,026	1,572,330	57,221,855	246,309,906
7-1-83 to 6-30-84	146,252,049	48,725,646	781,824	72,355,028	283,044,587
7-1-84 to 6-30-85	156,796,566	46,457,143	2,280,998	75,107,808	280,642,515

Source: Iowa Department of Transportation, Contracts Administration.

Traffic fatalities

State	Traffic Deaths 1981	1982	1983	1984	Traffic Deaths per 100,000,000 vehicle miles 1981	1982	1983	1984
U.S.	50,800	46,482	44,600	46,200	3.3	2.9	2.7	2.7
Illinois	1,880	1,671	1,553	1,572	2.8	2.5	2.3	2.3
IOWA	612	480	509	420	3.2	2.5	2.5	2.1
Kansas	568	498	411	510	3.3	2.8	2.2	2.7
Minnesota	709	581	558	584	2.6	2.0	1.8	1.8
Missouri	1,107	908	921	991	3.1	2.6	2.5	2.6
Nebraska	383	261	255	285	3.3	2.3	2.1	2.3
South Dakota	117	148	174	143	2.8	2.3	2.6	2.3
Wisconsin	949	772	735	834	2.9	2.4	2.2	2.4

Source: National Safety Council.

Class I railroads[1]

	1970	1975	1980	1981	1982	1983	1984
Miles of road operated within the state	8,464	7,951	5,292	5,053	4,891	4,720	4,456
Tons of revenue freight carried within the state	93,916,708*	112,680,340	137,294,000	130,971,226	108,728,407	115,524,877	122,879,863

[1]Class I railroads are those having revenues of $87.3 million and over per year.
Source: Iowa Department of Transportation, Advance Planning Section.

Registered aircraft

	1970	1975	1980	1981	1982	1983	1984	1985
Number of registered aircraft in Iowa	2,565	2,789	3,000	3,417	3,335	3,099	3,079	2,962

Source: Iowa Department of Transportation, Aeronautics Division.

Motor vehicle registration, 1984

County	Total Registrations
Adair	10,469
Adams	6,146
Allamakee	15,164
Appanoose	15,506
Audubon	8,963
Benton	22,867
Black Hawk	127,537
Boone	24,997
Bremer	25,030
Buchanan	22,180
Buena Vista	22,584
Butler	19,238
Calhoun	14,507
Carroll	23,950
Cass	19,420
Cedar	18,664
Cerro Gordo	49,062
Cherokee	17,648
Chickasaw	16,154
Clarke	9,007
Clay	19,571
Clayton	21,324
Clinton	54,522
Crawford	20,071
Dallas	30,839
Davis	9,446
Decatur	8,904
Delaware	18,408
Des Moines	46,956
Dickinson	17,493
Dubuque	78,764
Emmet	14,317
Fayette	24,687
Floyd	20,507
Franklin	12,955
Fremont	10,149
Greene	13,940
Grundy	15,308
Guthrie	12,932
Hamilton	19,834
Hancock	14,930
Hardin	23,708
Harrison	16,735
Henry	19,528
Howard	11,485
Humboldt	13,813
Ida	10,090
Iowa	16,760
Jackson	21,655
Jasper	38,720
Jefferson	17,863
Johnson	67,185
Jones	20,110
Keokuk	14,173
Kossuth	23,677
Lee	39,934
Linn	156,913
Louisa	13,003
Lucas	11,032
Lyon	13,918
Madison	13,565
Mahaska	23,804
Marion	29,754
Marshall	42,972
Mills	13,479
Mitchell	12,936
Monona	12,282
Monroe	9,467
Montgomery	13,465
Muscatine	42,942
O'Brien	18,670
Osceola	9,001
Page	18,458
Palo Alto	12,857
Plymouth	25,504
Pocahontas	12,425
Polk	313,107
Pottawattamie	88,647
Poweshiek	20,322
Ringgold	6,827
Sac	14,917
Scott	140,786
Shelby	15,836
Sioux	29,909
Story	54,316
Tama	20,901
Taylor	8,983
Union	14,253
Van Buren	9,087
Wapello	38,996
Warren	35,913
Washington	21,449
Wayne	8,582
Webster	44,589
Winnebago	14,348
Winneshiek	20,799
Woodbury	90,801
Worth	10,015
Wright	16,542
OFFICIAL	37,344
TOTAL	2,914,144**

**These are the number of registered motor vehicles. Previous listings counted registrations, rather than vehicles.
Source: Iowa Department of Transportation, Motor Vehicle Registration Division.

Travel

Travel, vacations, conventions and outdoor life add up to a billion dollars a year in Iowa's growing tourism and travel industry. A 1985 study conducted at interstate welcome centers showed that the average travel party of 2.6 persons spent $76.20 each day they were in the state.

Named "The Beautiful Land" by Native Americans, Iowa has something for everyone. The state is dotted with historical sites, cultural facilities and terrain that can accommodate everything from downhill skiing to bicycling. Numerous hotels range from quaint to luxurious. There is an abundance of game and campgrounds, along with some of the finest golf courses in America.

Iowa has 19,000 miles of interior fishing streams, two major natural "great lake" areas and four of the nation's largest man-made lakes. The bordering Mississippi and Missouri Rivers offer water sports, scenery and the excitement of passenger or commercial water travel.

Tourism attractions

295,815	Resident Fishing Licenses
120,341	Resident Hunting Licenses
101,178	Resident Combination Licenses
21,928	Non-Resident Hunting Licenses
13,432	Non-Resident Fishing Licenses
83,985	Gun Deer Licenses
20,524	Bow & Arrow Deer Licenses
16,806	Landowner-Tenant Deer Licenses
44,445	Iowa Duck Stamps
32,643	Trout Stamps
17,866	Resident Trapping
14,829	Turkey Licenses
300,000	Acres of Public Hunting Areas
42,000	Acres of Public Waterfowl Refuges
2,800,000	Visitors to Public Hunting Areas
53%	of Visitors to Public Hunting Areas Were Not Hunters
203,500	Surface Acres of River Boundary Waters
80,000	Farm Ponds in Southern Iowa
33,000	Acres of Natural Lakes
23,000	Acres of Man-Made Lakes
2,000	Acres of Oxbow Lakes
30,200	Acres of Federal Reservoirs
19,000	Miles of Interior Fishing Streams
72	State Parks and Recreation Areas
13,713,137	State Park and Recreation Visitors in 1982
43	State Parks with Lakes
55	State Parks with Camping
25,000	Acres of State Forests
5,000	Acres of State Preserve Areas
1,112	County Conservation Board Areas
1,561,000	Acres of Iowa Forests

Wild game statistics

	No. Hunters	Game Harvested
Pheasant	176,312	724,192
Rabbits	102,993	636,209
Squirrel	86,380	529,316
Quail	58,630	190,708
Turkey	11,126	2,221
Deer Bow	21,648	5,599
Deer Gun	79,697	33,449
Total Deer	119,766	39,355

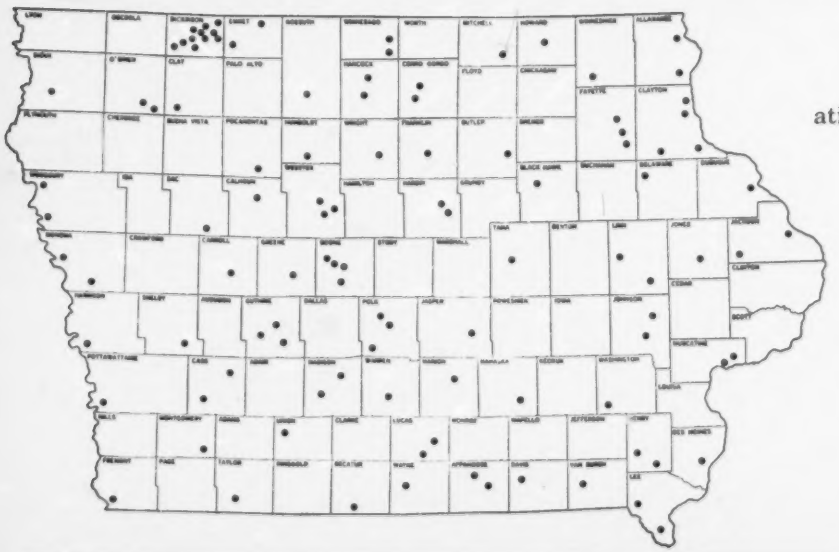
Source: Iowa Conservation Commission.

State park attendance, 1984

A. A. Call	45,375
Backbone	410,445
Beeds Lake	128,665
Bellevue	189,680
Big Creek	688,998
Black Hawk	559,711
Bob White	62,545
Brushy Creek	88,335
Clear Lake	342,430
Dolliver	175,200
Elk Rock	102,295
Emerson	148,700
Fort Defiance	53,771
Geode	314,500
George Wyth	494,336
Green Valley	206,850
Gull Point	182,950
Honey Creek	192,600
Isthmus	21,850
Lacey-Keosauqua	188,100
Lake Ahquabi	205,475
Lake Anita	171,000
Lake Darling	305,925
Lake Keomah	70,441
Lake Macbride	596,029
Lake Manawa	2,007,230
Lake of Three Fires	181,625
Lake Wapello	172,250
Ledges	139,589
Lewis and Clark	169,400
Lower Gar	13,650
Maquoketa Caves	119,934
Marble Beach	125,450
Margo Frankel	49,334
McIntosh Woods	166,200
Mini-Wakan	41,850
Nine Eagles	56,333
Okamanpedan	41,800
Palisades-Kepler	268,383
Pammel	35,023
Pikes Peak	110,145
Pikes Point	61,900
Pilot Knob	137,762
Pine Lake	351,900
Pleasant Creek	222,417
Plum Grove	7,680
Prairie Rose	165,909
Preparation Canyon	12,300
Red Haw	311,600
Rock Creek	223,900
Springbrook	493,573
Stone Park	351,535
Trappers Bay	46,950
Twin Lakes	113,285
Union Grove	159,610
Viking Lake	210,250
Volga River	178,694
Walnut Woods	89,479
Wanata	13,940
Wapsipinicon	575,100
Waubonsie	112,405
Wild Cat Den	203,512
Wilson Island	27,175
Yellow River	5,669
TOTAL ATTENDANCE FOR 1984—ALL PARKS	13,713,137

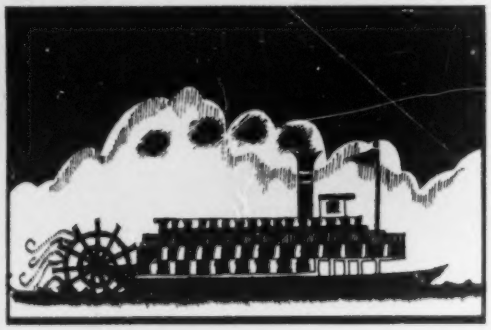
Source: Iowa Conservation Commission.

State-owned recreation areas



Iowa's state owned parks and recreation areas offer:

Camping
Hunting
Picnicking
Swimming
Boating
Fishing
Nature Trails
Golf
Winter Skiing
Snowmobile Trails
and much more



Economic impact of travel

	1978	1980	1981	1982	1983	1984
Total travel expenditures ($000)	1,266,367	1,532,200	1,610,000	1,593,900	1,594,400	1,683,600
Jobs directly attributable to traveler spending in Iowa (000)	53.5	54.0	51.5	48.3	46.4	47.2
Average travel expenditures generating one job in the travel industry ($000)	23.7	28.6	31.0	33.0	34.3	35.7
State and local tax revenue generated by travelers ($000)	56,552	71,800	69,959	138,000	165,000	93,888

Source: U.S. Travel Data Center County Travel Economic Impact Model (CTEIM).

Welcome center survey results
(May-September)

	1977	1980	1983	1984	1985
Percent of visitors with destination in Iowa	13%	22%	23%	28%	31%
Average days spent on trip	20.9	16.5	15.9	18.2	13.0
Average days spent in Iowa	2.5	2.9	2.6	2.5	2.7
Average travel party size	3.2	3.0	2.8	2.7	2.6
Average party spending per day	$ 40.42	$ 57.12	$ 80.46	$ 75.90	$ 76.20
Estimated spending of center visitors	$ 5,029,460	$ 8,297,970	$15,030,523	$14,409,236	$17,346,968
Estimated economic impact of center visitors	$13,176,078	$21,219,719	$41,639,929	$38,117,346	$46,054,970

Source: Iowa Development Commission.

Impact of travel on counties, 1984

County	Total Expenditures (Thousands)	Travel Generated Payroll (Thousands)	Travel Generated Employment (Jobs)	State Tax Receipts (Thousands)	Local Tax Receipts (Thousands)
State Total	$1,683,568	$337,896	47,211	$73,731	$20,157
Polk	575,603	125,107	15,746	22,689	8,156
Linn	169,380	37,132	4,369	6,011	2,224
Scott	106,938	18,941	2,883	4,790	1,286
Woodbury	78,074	16,147	2,230	3,426	963
Johnson	68,533	13,500	2,252	3,749	1,009
Black Hawk	67,831	13,966	1,866	2,888	778
Dubuque	60,873	12,076	1,832	2,971	809
Story	51,623	10,135	1,685	2,826	461
Lee	41,954	5,776	681	1,068	263
Cerro Gordo	40,381	7,604	1,200	1,973	346
Pottawattamie	35,969	6,746	1,127	1,943	434
Dickinson	28,230	5,231	855	1,380	238
Muscatine	21,001	4,027	661	1,132	268
Jasper	18,730	3,494	587	1,006	159
Webster	18,274	3,516	538	908	160
Wapello	16,762	3,091	515	873	222
Marshall	16,653	3,241	525	880	147
Des Moines	14,522	2,766	452	762	200
Dallas	9,949	1,829	306	532	83
Clay	8,857	1,682	274	469	76
Clinton	7,853	1,444	214	388	65
Iowa	5,611	1,043	177	301	47
Buena Vista	5,361	1,006	163	282	45
Clayton	5,218	908	144	237	41
Harrison	5,151	895	149	269	40
Poweshiek	5,078	940	143	230	42
Cass	4,977	895	150	263	40
Floyd	4,933	925	151	261	42
Boone	4,817	889	140	242	40
Hamilton	4,697	866	141	243	39
Carroll	4,643	852	135	236	38
Kossuth	4,618	779	122	233	35
Winnebago	4,465	838	138	237	38
Jackson	4,454	806	130	223	36
Tama	4,357	794	129	223	36
Union	4,218	800	129	215	36
Jones	3,982	690	112	203	31
Bremer	3,665	675	109	190	30
Mahaska	3,605	679	106	180	30
Davis	3,588	649	107	181	29
Clarke	3,562	636	104	174	28
Plymouth	3,380	582	91	167	26
Crawford	3,377	627	99	174	28
Page	3,290	587	92	159	26
Fayette	3,286	565	86	155	25
Wright	3,233	560	92	162	28
Keokuk	3,228	565	92	159	25
Buchanan	3,148	531	84	146	24
Guthrie	3,129	531	78	113	24
Cedar	3,105	688	100	158	31
Winneshiek	3,077	586	92	156	26
Montgomery	3,062	570	92	157	25
Madison	3,029	529	87	151	24
Adair	3,017	546	91	154	24

Impact of travel on counties, (cont.)

County	Total Expenditures (Thousands)	Travel Generated Payroll (Thousands)	Travel Generated Employment (Jobs)	State Tax Receipts (Thousands)	Local Tax Receipts (Thousands)
Cherokee	2,943	514	85	151	23
Henry	2,928	520	80	142	23
Sioux	2,927	494	71	138	22
Palo Alto	2,892	507	82	139	23
Hardin	2,884	511	77	143	23
Warren	2,873	480	73	141	27
Mills	2,809	487	79	143	22
Marion	2,717	612	83	128	27
Calhoun	2,688	521	78	133	23
Sac	2,685	452	70	117	20
Emmet	2,673	483	76	137	22
Chickasaw	2,669	468	76	131	21
Adams	2,651	508	85	140	23
Monona	2,557	440	71	124	20
Jefferson	2,536	514	74	121	23
Appanoose	2,476	450	69	117	20
Lucas	2,334	417	69	118	18
Mitchell	2,281	401	66	111	18
Decatur	2,280	413	66	106	18
Franklin	2,216	387	64	114	17
Pocahontas	2,212	391	60	98	17
Greene	2,203	413	67	111	18
Allamakee	2,177	344	48	73	15
Fremont	2,128	404	66	108	18
Taylor	2,068	381	64	105	17
Ida	2,012	355	59	101	16
Washington	1,920	319	47	90	14
Ringgold	1,911	324	49	75	14
Louisa	1,878	313	49	88	14
Benton	1,846	288	45	88	13
Humboldt	1,798	292	45	82	13
Hancock	1,723	301	46	79	13
Worth	1,708	304	49	81	13
Shelby	1,708	302	46	81	13
Audubon	1,682	302	48	86	13
Grundy	1,648	275	43	80	12
Wayne	1,539	278	44	70	12
O'Brien	1,534	225	33	65	10
Butler	1,489	257	42	76	11
Delaware	1,298	187	26	46	8
Monroe	882	128	18	34	5
Howard	870	141	23	40	6
Osceola	835	140	22	38	6
Van Buren	807	143	23	35	6
Lyon	322	27	2	9	1

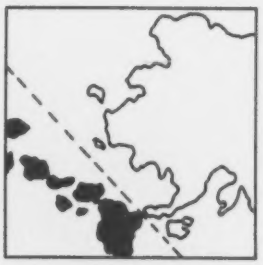
Source: U.S. Travel Data Center County Travel Economic Impact Model.

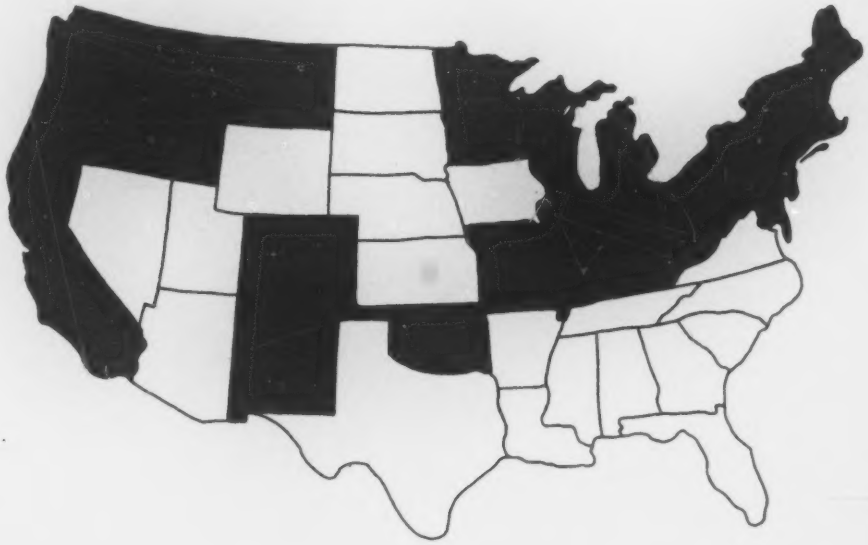
Workforce-Employment

Right-to-work law

Iowa law assures that no worker can be deprived of getting or keeping a job because the worker belongs, or does not belong, to any kind of organization—association, labor union, club, or professional group.

Traditionally, support for this law has transcended philosophical differences between political parties and among Iowa legislators. It is unlikely to be changed.





STATES WHICH BAN FORCED UNIONISM ARE SHOWN IN WHITE

Labor unions

	Union Membership (000's)			Percent of Workforce Unionized		
	1975	1980	1982	1975	1980	1982
Illinois	1,552.9	1,431.3	1,261.2	35.1%	29.5%	27.5%
Indiana	610.3	627.3	505.4	31.6	29.5	25.1
IOWA	232.3	237.9	210.8	23.4	21.4	20.5
Kansas	127.6	121.3	109.9	16.0	12.8	12.0
Minnesota	426.2	431.0	419.1	29.0	24.3	24.5
Missouri	574.8	568.2	510.4	33.4	28.8	26.6
Nebraska	106.7	104.3	98.3	19.3	16.6	16.3
Ohio	1,449.1	1,311.5	1,132.3	36.1	30.0	27.4
South Dakota	27.8	25.4	23.8	13.3	10.7	10.3
Wisconsin	526.6	491.5	457.2	31.5	25.4	24.5
United States	22,207.0	20,968.0	19,571.0	38.9	23.2	21.9

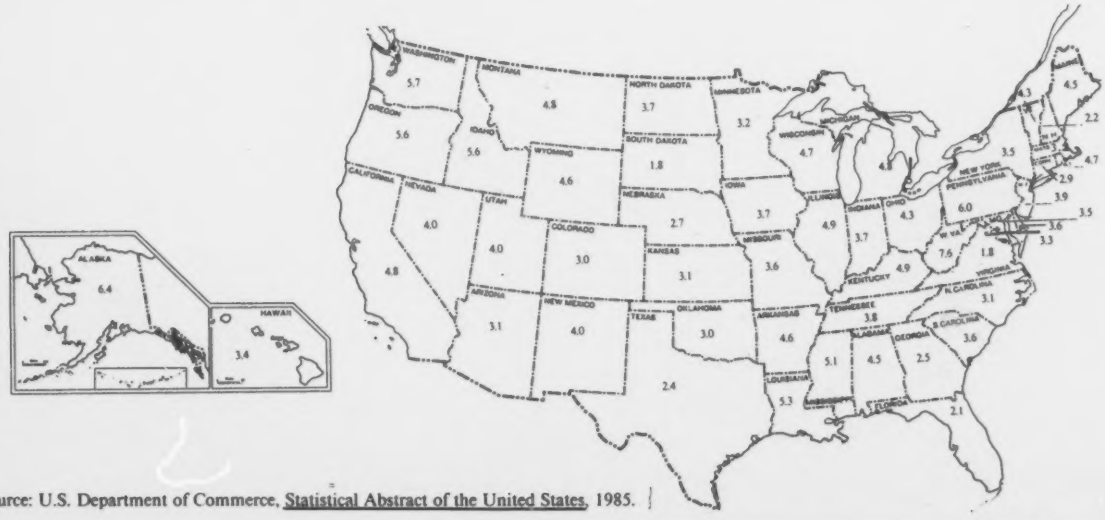
Source: Union Sourcebook First Edition, 1985, Leo Troy, Ph.D. and Neil Sheflin, Ph.D.

Iowa employment and unemployment

Year	IOWA Total Labor Force (000)	IOWA Total Employment[1] (000)	IOWA Number Unemployed (000)	IOWA Unemployment Rate (%)	U.S. Unemployment Rate (%)
1955	1072.6	1042.5	30.1	2.8	4.4
1957	1079.7	1047.7	32.0	3.0	4.3
1958	1077.0	1039.5	37.5	3.5	6.8
1959	1102.1	1071.5	30.5	2.8	5.5
1960	1104.2	1069.1	35.0	3.2	5.5
1961	1104.2	1061.0	43.3	3.9	6.7
1962	1087.8	1051.0	36.8	3.4	5.5
1963	1082.9	1049.7	33.1	3.1	5.7
1964	1095.4	1065.7	29.7	2.7	5.2
1965	1118.5	1091.4	27.1	2.4	4.5
1966	1152.0	1127.6	24.3	2.1	3.8
1967	1167.4	1138.7	28.7	2.5	3.9
1968	1177.3	1147.6	29.6	2.5	3.6
1969	1194.1	1160.7	33.4	2.8	3.5
1970[2]	1195.5	1155.7	39.8	3.3	4.9
1971	1208.6	1167.3	41.3	3.4	5.9
1972	1250.3	1218.0	32.3	2.6	5.6
1973	1284.3	1257.8	26.5	2.1	4.9
1974	1303.5	1275.2	28.2	2.2	5.6
1975	1315.4	1259.6	55.8	4.2	8.5
1976	1335.0	1282.0	53.0	4.0	7.7
1977	1385.0	1329.0	56.0	4.0	7.0
1978	1419.0	1362.0	57.0	4.0	6.0
1979	1432.0	1373.0	59.0	4.1	5.7
1980	1431.0	1344.0	82.0	5.8	7.1
1981	1427.0	1328.0	99.0	6.9	7.5
1982	1418.0	1297.0	121.0	8.5	9.5
1983	1422.0	1306.0	116.0	8.1	9.5

[1]Data from 1970 through 1980 has been revised to "place of residence" concept.
[2]Data from 1970 through 1981 has been adjusted to current population survey.
Source: Employment and Earnings, U.S. Department of Labor, Bureau of Labor Statistics, May 1984.

Map shows insured 1983 unemployment as percent of average covered employment in the previous year.



Source: U.S. Department of Commerce, Statistical Abstract of the United States, 1985.

New jobs created

Industry	1st Qtr. 1983	2nd Qtr. 1983	3rd Qtr. 1983	4th Qtr. 1983	1983 Total	1st Qtr. 1984	2nd Qtr. 1984	3rd Qtr. 1984	4th Qtr. 1984	1984 Total	1st Qtr. 1985	2nd Qtr. 1985
Agriculture	111	107	65	33	316	36	149	245	61	491	90	272
Mining	16	35	88	18	157	3	39	80	16	138	10	10
Construction	513	1,115	1,741	815	4,184	412	1,471	1,677	716	4,276	661	1,491
Manufacturing	608	760	952	1,084	3,404	899	919	1,111	634	3,563	952	870
Transportation & Utilities	316	393	528	326	1,563	402	626	522	306	1,856	527	1,051
Trade	2,966	4,082	5,191	4,451	16,690	3,476	5,664	4,526	4,349	18,015	3,546	4,390
Finance	337	235	204	198	974	337	244	181	164	926	262	276
Services	1,809	1,647	1,932	1,665	7,053	1,860	1,895	2,292	1,771	7,818	1,991	2,662
Public Administration	46	89	16	5	156	10	138	85	32	265	103	55
Total	6,722	8,463	10,717	8,595	34,497	7,435	11,145	10,719	8,049	37,348	8,142	11,077

Source: Job Service of Iowa

Employment climate

	Year	United States	IOWA	Minnesota	South Dakota	Nebraska	Kansas	Missouri	Illinois	Wisconsin	Indiana	Ohio
Annual average nonagricultural employment (000)	1982	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1,922.4	4,593.3	1,866.7	2,028.0	4,124.2
	1983	90,138	1,040.4	1,718.4	235.5	510.8	921.6	1,937.0	4,530.6	1,864.6	2,029.5	4,091.7
	1984	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4,636.5	1,941.1	2,131.4	4,248.0
Annual average manufacturing employment (000)	1982	18,781	209.8	346.8	24.8	87.9	168.8	406.8	1,013.4	498.2	589.0	1,099.9
	1983	18,497	202.3	346.3	25.9	84.7	164.7	405.4	955.8	484.1	581.6	1,066.0
	1984	19,590	210.9	373.9	28.6	89.0	176.5	430.9	985.5	517.8	621.1	1,125.1
Average weekly manufacturing earnings (Dollars)	1982	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	364.86	370.87	383.77	403.81
	1983	354.08	401.58	379.53	304.10	353.03	360.89	354.71	393.59	398.05	414.10	437.18
	1984	373.27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	408.35	412.23	435.76	463.61
Average weekly manufacturing hours	1982	38.9	38.7	39.1	41.1	39.9	39.2	38.6	39.2	39.6	39.2	40.1
	1983	40.1	39.8	39.7	41.6	40.3	39.1	39.9	40.6	40.7	41.0	41.4
	1984	40.7	40.2	40.3	42.4	40.5	40.2	40.5	40.6	41.1	41.7	42.3
Average hourly manufacturing earnings, incl. overtime (Dollars)	1982	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	9.31	9.37	9.79	10.07
	1983	8.51	10.09	9.56	7.31	8.76	9.23	8.89	9.70	9.78	10.10	10.56
	1984	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	10.02	10.03	10.45	10.96
Unemployment (%)	1982	9.5	8.5	7.8	5.5	6.1	6.3	9.2	11.3	10.7	11.9	12.5
	1983	9.5	8.1	8.2	5.4	5.7	6.1	9.9	11.4	10.4	11.1	12.2
	1984	7.4	7.0	6.3	4.3	4.4	5.2	7.2	9.1	7.3	8.6	9.4

Source: Employment and Earnings, May 1985, U.S. Department of Labor, Bureau of Labor Statistics.

Employment by industry (figures in 000's)

Industry	1965 Annual Average	1970 Annual Average	1975 Annual Average	1980 Annual Average	1981 Annual Average	1982 Annual Average	1983r Annual Average	1984 Annual Average
Total Nonagricultural	754.6	882.8	998.7	1109.9	1088.6	1041.9	1040.4	1062.4
Manufacturing	192.4	215.5	230.4	244.8	236.5	209.8	202.3	210.9
Durable goods	107.8	122.8	141.4	150.0	143.8	121.9	114.8	123.3
Lumber and furniture	6.5	8.2	8.6	8.5	8.3	7.4	8.2	8.9
Stone, clay and glass	6.5	6.7	7.0	6.4	5.5	4.9	4.9	4.4
Primary metal industries	8.0	8.5	7.6	8.5	8.6	7.9	7.1	8.0
Fabricated metal products	11.0	13.1	17.7	19.3	18.7	16.2	15.7	16.3
Machinery (except electrical)	41.3	44.6	59.0	64.9	62.0	48.5	42.6	46.2
Farm machinery	26.2	24.0	26.7	26.9	26.2	21.1	18.0	18.7
Construction and related machinery	6.1	9.0	19.3	22.1	19.5	13.4	11.4	12.8
Electrical equipment and supplies	22.7	23.7	24.7	25.3	23.5	21.3	19.8	20.2
Transportation equipment	2.7	5.6	8.3	7.4	7.6	6.7	7.4	9.9
Other durable goods[1]	9.1	12.4	8.6	9.7	9.6	9.0	9.1	9.3
Nondurable goods	84.6	92.7	89.0	94.8	92.7	88.0	87.4	87.6
Food and kindred products	51.5	54.4	47.7	48.5	46.9	44.6	43.9	41.8
Meat products	25.6	28.2	23.3	24.9	23.9	22.3	22.1	20.6
Grain mill products	9.4	10.9	11.1	11.3	11.1	10.4	9.9	9.4
Bakery products	3.8	3.3	2.9	2.4	2.1	2.0	2.0	2.0
Apparel	3.9	4.0	3.8	4.1	4.0	3.9	4.0	4.2
Printing and publishing	12.3	13.6	15.0	17.8	17.6	17.5	17.5	18.0
Newspapers	6.2	6.6	6.5	7.4	7.1	6.9	6.8	6.8
Chemicals and allied products	6.1	7.5	7.2	7.8	7.6	6.9	6.6	6.7
Other nondurable goods[2]	1.3	1.8	2.1	2.1	2.1	1.8	1.8	1.7
Paper and allied products	2.9	3.6	3.7	4.2	3.9	3.7	3.5	3.6
Rubber and plastic products	6.6	7.8	9.5	10.3	10.6	9.5	10.2	11.7
Nonmanufacturing	562.2	667.3	768.3	865.1	852.1	832.1	838.1	851.5
Mining	3.3	3.0	2.8	2.2	2.0	1.7	1.9	2.0
Contract construction	37.4	40.6	49.8	50.9	44.4	38.1	35.9	37.1
Transportation and public utilities	49.6	51.1	53.3	56.3	55.0	52.7	51.3	50.7
Railroad transportation	12.5	10.1	9.0	8.0	7.8	6.5	5.7	5.7
Communication	11.5	12.5	13.3	14.5	14.2	13.7	12.7	11.6
Electric, gas and sanitary service	9.0	9.7	9.8	10.5	10.5	10.4	10.3	10.2
Wholesale and retail trade	185.6	209.2	250.8	280.7	277.4	267.2	268.7	270.5
Wholesale trade	43.8	44.1	67.8	76.7	75.4	73.0	71.9	73.0
Retail trade	141.8	165.2	183.0	203.9	201.9	194.2	196.8	197.4
Retail general merchandise	22.4	25.6	25.5	27.4	27.2	26.1	25.5	27.0
Finance, insurance and real estate	35.8	41.0	48.3	58.3	59.1	58.9	59.8	61.5
Banking	11.0	13.2	15.8	18.1	18.4	18.4	18.5	18.5
Insurance carriers, agents, and brokers	14.9	16.6	19.3	23.5	23.8	24.4	24.6	25.3
Service and miscellaneous	111.9	146.7	171.5	209.3	211.1	211.4	217.1	224.6
Medical and other health services	34.1	44.3	60.2	77.1	79.0	80.4	80.4	79.3
Government	138.5	175.7	192.0	207.4	203.1	202.0	203.4	205.1

r = Revised.
[1]Includes ordnance and accessories, instruments and related products, and miscellaneous manufacturing.
[2]Includes textile mill products, petroleum and coal products, and leather and leather products.
Place of Work Concept Method by which an employed individual is counted in the area where he works regardless of the area where he lives.
Source: Bureau of Labor Statistics, U.S. Department of Labor.

Manufacturing hourly earnings (annual average)

Industry	1970	1975	1977	1980	1981	1982	1983r	1984
Manufacturing	$3.70	$5.40	6.43	$8.67	$9.60	$10.01	$10.09	$10.25
Durable goods	3.60	5.45	6.51	8.70	9.74	10.18	10.35	10.51
Lumber and furniture	2.99	4.44	5.35	6.94	7.53	7.98	8.26	8.55
Stone, clay and glass products	3.53	5.02	6.19	7.93	8.66	9.23	9.41	9.83
Primary metal industries	3.81	5.73	7.29	9.70	10.72	11.49	12.19	11.28
Fabricated metal products	3.35	4.84	5.52	7.01	7.65	8.36	8.80	8.82
Machinery except electrical	4.05	6.36	7.85	10.36	11.78	12.34	12.33	12.57
Farm machinery	4.27	6.80	8.16	10.97	12.67	13.27	13.14	13.48
Constructed and related machinery	4.02	6.54	8.30	10.92	12.22	12.73	13.40	13.84
Electrical equipment and supplies	3.26	4.59	5.44	7.47	8.37	8.95	9.59	9.88
Transportation equipment	3.15	4.17	4.73	6.54	7.46	7.83	8.12	8.03
Otner durable goods	3.26	4.18	4.69	6.13	6.72	7.31	7.67	8.09
Nondurable goods	3.82	5.32	6.32	8.63	9.39	9.80	9.75	9.90
Food and kindred products	4.04	5.75	6.95	9.55	10.22	10.35	9.73	9.62
Meat products	4.59	6.43	7.67	10.75	11.33	11.03	9.55	8.98
Grain-mill products	3.80	5.77	6.93	9.03	10.13	11.07	11.56	12.30
Apparel and other textile products	2.26	2.85	3.36	4.53	5.09	5.50	5.76	5.83
Paper and allied products	2.94	4.55	5.28	6.88	7.66	8.22	8.65	9.06
Printing and publishing	3.86	5.03	5.87	7.82	8.79	9.82	10.44	10.62
Newspapers	4.15	5.03	5.44	6.76	7.29	7.82	7.88	7.51
Chemicals and allied products	3.72	5.44	6.46	8.46	9.40	10.27	10.88	11.42
Rubber and plastics products, nec.	4.17	5.37	5.22	8.58	9.47	9.98	10.64	11.16
Other nondurable goods	2.09	2.61	3.84	4.83	5.27	5.51	5.62	5.81

r = Revised

a. Estimates are based upon a sample of full or part-time production and related employees, who worked or received pay in the above industry groups during the week containing the 12th. Average hourly earnings reflect, in addition to changes in basic and incentive wage rates, such variable factors as overtime, late shift work, changes in output of workers paid on an incentive basis, and changing employment of workers, between relatively high-paid and low-paid work, and full-time status. Based on 1967 Standard Industrial Classification.
b. Included in "other durable goods."
Source: Bureau of Labor Statistics, U.S. Department of Labor.

Metropolitan workforce

TOTAL

Area	Labor Force (000) 1982	1983r	1984	Unemployed Rate 1982	1983r	1984	Non-Agriculture Employment (000) 1982	1983r	1984
IOWA	1418.0	1421.0	1417.0	8.5	8.1	7.0	1041.9	1040.4	1062.4
Cedar Rapids	85.6	84.7	83.9	9.7	8.3	7.1	77.1	76.3	77.2
Des Moines	184.0	196.8	197.0	7.8	7.2	5.8	172.9	182.0	186.4
Dubuque	43.1	42.7	42.4	14.2	12.1	8.5	37.6	37.7	39.4
Sioux City	53.8	54.9	54.6	8.2	7.6	7.2	46.3	47.3	47.8
Waterloo—Cedar Falls	67.2	76.1	72.5	12.1	12.6	11.2	59.4	64.5	62.9

Area	Employment (000) 1982	1983r	1984	Manufacturing Average Weekly Hours 1982	1983r	1984	Average Weekly Earnings 1982	1983r	1984
IOWA	209.8	202.3	210.9	38.7	39.8	40.2	$387.39	$401.58	$412.05
Cedar Rapids	23.2	21.3	21.2	40.4	40.9	41.7	419.35	433.54	459.12
Des Moines	21.1	22.1	23.5	38.8	38.9	40.7	421.37	445.79	497.76
Dubuque	10.9	10.5	11.9	38.4	40.1	40.9	420.10	420.25	445.40
Sioux City	8.2	9.0	9.5	39.7	39.8	37.9	347.77	353.82	324.42
Waterloo-Cedar Falls	18.8	17.9	16.7	37.8	(1)	(1)	492.16	(1)	(1)

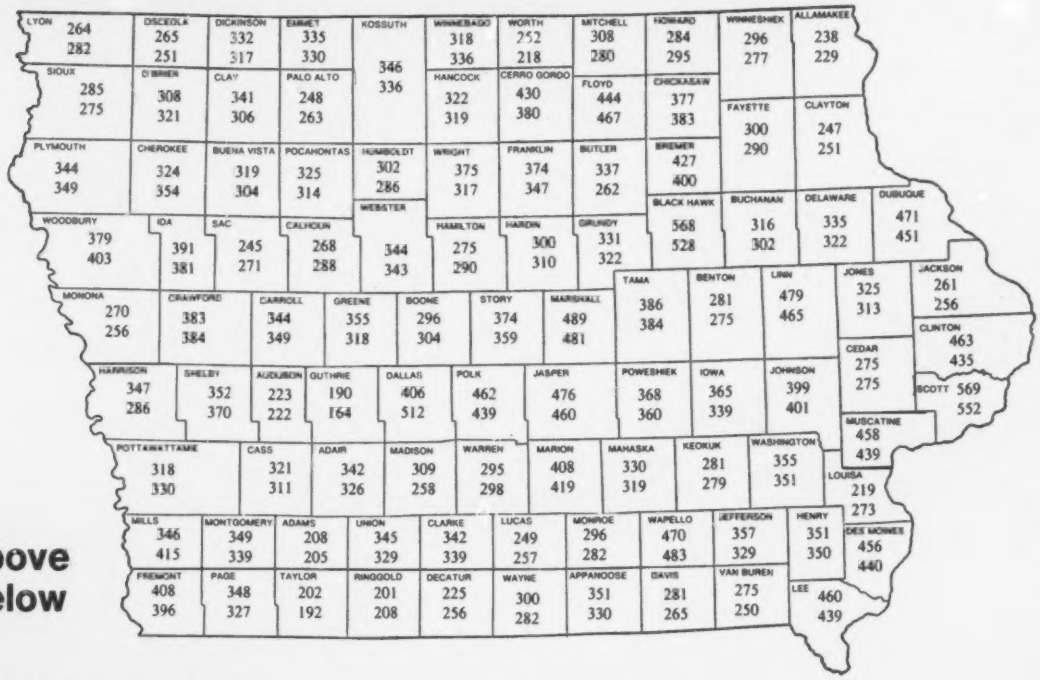
r = Revised.
[1] Not available.
Source: Employment and Earnings, U.S. Department of Labor, Bureau of Labor Statistics, May 1985.

Unemployment rates

County	1981	1982	1983	1984
Adair	4.0	4.4	5.4	4.8
Adams	4.2	5.7	5.3	5.2
Allamakee	8.8	9.3	8.8	9.6
Appanoose	10.1	14.1	13.2	11.5
Audubon	4.4	5.1	6.3	7.5
Benton	7.5	12.5	8.8	6.8
Black Hawk	8.0	12.1	13.2	11.9
Boone	5.0	7.2	7.5	5.6
Bremer	6.8	9.7	9.2	7.6
Buchanan	7.1	9.7	11.6	9.6
Buena Vista	4.4	7.2	4.9	4.1
Butler	7.5	9.9	10.7	8.0
Calhoun	4.6	5.8	5.7	4.8
Carroll	6.7	7.4	6.2	5.7
Cass	5.1	5.3	5.5	7.7
Cedar	4.1	6.8	6.6	5.5
Cerro Gordo	7.1	7.9	7.8	6.7
Cherokee	5.6	5.2	4.8	4.7
Chickasaw	10.7	11.7	13.3	11.3
Clarke	7.1	8.6	7.4	7.4
Clay	5.6	5.7	5.6	7.3
Clayton	8.2	10.2	9.2	9.2
Clinton	8.2	12.5	11.8	9.7
Crawford	4.8	6.3	5.4	5.5
Dallas	6.3	7.2	6.7	5.3
Davis	8.1	10.4	11.5	9.3
Decatur	5.4	5.9	8.2	6.7
Delaware	8.3	10.4	10.4	8.6
Des Moines	9.9	12.9	13.1	10.7
Dickinson	6.3	7.4	7.5	8.9
Dubuque	10.7	14.2	12.1	8.5
Emmet	6.7	12.7	13.6	11.0
Fayette	6.7	10.5	10.1	8.7
Floyd	12.3	14.5	17.0	11.2
Franklin	4.2	6.9	7.9	6.8
Fremont	3.1	4.6	4.8	5.9
Greene	7.2	8.4	8.0	8.5
Grundy	3.9	6.1	7.6	6.2
Guthrie	5.7	6.2	5.6	6.0
Hamilton	5.6	6.0	6.4	6.1
Hancock	5.2	7.7	6.5	5.1
Hardin	4.3	4.8	4.8	5.3
Harrison	5.4	8.2	8.6	7.7
Henry	7.7	8.1	8.1	6.9
Howard	6.5	8.1	7.8	6.8
Humboldt	5.4	6.8	7.3	7.2
Ida	3.2	3.2	3.3	4.0
Iowa	4.7	6.7	4.7	3.7
Jackson	10.1	13.5	13.5	10.3
Jasper	8.0	10.6	8.6	7.2
Jefferson	7.0	10.3	8.3	6.4
Johnson	4.7	4.2	3.5	3.2
Jones	6.3	9.1	8.5	7.2
Keokuk	10.5	10.6	9.7	9.1
Kossuth	6.3	7.2	6.4	5.9
Lee	9.0	12.0	11.1	9.0
Linn	8.1	9.7	8.3	7.1
Louisa	3.7	6.0	11.0	9.0
Lucas	6.2	7.7	6.9	7.4
Lyon	4.4	3.3	4.4	4.2
Madison	7.2	8.1	8.3	7.4
Mahaska	6.7	8.3	7.2	6.6
Marion	4.0	5.3	4.6	3.7
Marshall	6.2	9.4	10.6	8.2
Mills	4.1	4.3	4.7	5.6
Mitchell	8.2	8.1	9.6	7.3
Monona	6.0	7.2	7.0	7.1
Monroe	9.3	14.0	12.8	10.3
Montgomery	5.3	6.3	6.2	7.0
Muscatine	5.6	7.0	7.7	6.6
O'Brien	4.1	4.2	4.2	4.8
Osceola	6.3	7.3	6.8	7.3
Page	4.9	7.4	7.8	6.8
Palo Alto	6.4	7.5	8.3	7.7
Plymouth	5.3	5.7	5.4	5.8
Pocahontas	5.3	7.5	6.5	5.5
Polk	7.3	8.0	7.5	6.0
Pottawattamie	8.1	8.0	6.6	7.8
Poweshiek	5.0	6.7	6.4	5.6
Ringgold	3.8	5.8	8.6	7.2
Sac	6.5	11.1	10.4	10.0
Scott	7.9	11.2	10.8	8.5
Shelby	4.9	5.5	5.7	8.9
Sioux	4.8	4.5	4.0	4.0
Story	4.0	4.3	4.3	3.2
Tama	3.3	4.8	4.5	4.6
Taylor	4.0	6.0	8.6	8.8
Union	5.9	6.2	7.4	7.2
Van Buren	8.0	10.7	9.7	7.6
Wapello	11.6	12.3	12.7	10.2
Warren	5.6	5.6	5.1	4.4
Washington	5.9	6.7	7.3	6.2
Wayne	4.4	6.1	7.1	6.6
Webster	6.7	8.1	8.3	7.6
Winnebago	6.5	6.8	5.3	3.7
Winneshiek	7.1	6.7	7.3	6.7
Woodbury	7.8	8.1	7.5	7.3
Worth	8.0	8.2	7.9	7.5
Wright	4.9	5.7	6.1	5.7
IOWA	6.9	8.5	8.2	7.1

Source: Bureau of Labor Statistics, U.S. Department of Labor.

Average weekly manufacturing wage



1984 above
1983 below

Source: Research & Statistics Division, Job Service of Iowa.

Average weekly construction wage

1984 above
1983 below

Source: Research & Statistics Division, Job Service of Iowa.